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NEUROMIME NETWORK SIMULATOR

APPENDIX II
NEUROMIME SIMULATOR OUTPUT

JAMES FLAUGHER

THE SERVICE BUREAU CORPORATION

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FOREWORD

This report covers work done by The Service Bureau Corporation, 425 Park Avenue, New York, New York, under Contract No. AF 33(657)-11194 with the Aerospace Medical Research Laboratories. The work was performed in support of Project 7233, "Biological Information Handling Systems and Their Functional Analogs," Task 723304, "Neural Networks." Lt. Colonel Jack E. Steele, MC, USAF, of the Biomedical Laboratory, was the technical contract monitor of the Aerospace Medical Research Laboratories.

The principle Service Bureau personnel were Dr. Hanan Rubin and Mr. Frank Gracer, simulation research and development; Mr. Kenneth Orr, simulation conversion to existing systems; and Mr. James Flaugher, simulation analysis and modification. The work was begun 19 March, 1963 and completed 15 April, 1966

This technical report has been reviewed and is approved

J. W. Heim, PhD.
Technical Director
Biomedical Laboratory
Aerospace Medical Research Laboratories

ABSTRACT

Because of the large number of network combinations and parameter variations possible in a Steele neuromime network, a program for simulating the nets on a digital computer is being developed to aid in determining the most efficient nets for specific tasks. The results of the investigation of network and parameter variations may then be used as the restraints and design criteria for neuromime devices with specific signal recognition capabilities. The simulation provides as a tool, a means of generating randomly connected networks with desired statistical restraints and a training phase which alters the network in such a manner as to force the actual response closer to the desired response. The generalized nature of the nets used is the essence of the research effort. Appendix II contains the neuromime simulator output.

APPENDIX II

NEUROMIME SIMULATOR OUTPUT

(Note: The following are working outputs and contain handwritten comments and notations.)

LIST 1

```
9 132835 0 $JOB     245   0,20,20000     65-424,FLAUGHER J.G.,MRBAP


90 UNIT        R1    PU    PR    A1    A2    A3    A4    A5    A6    A7    A8    A9    A0    B1    B2    B3    B4    B5    B6    B7
FUNCTION       CR3   PCH   PRT   LB1   IN1   OU1   PP1   CK1                                   UT1   UT2   UT3   UT4   CR2
SYMBOLIC                                                          A(8)  A(7)  A(4)  A(9)  B(1)
40 LOGICAL     32    33    34    00    01    02    03    04    05    06    07    08    09    10    11    12    13    14    15    16
40 UNIT        DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK

90 UNIT        B4    B9    B0    C1    C2    C3    C4    C5    C6    D1    D2    D3    D4    D5    D6
FUNCTION
SYMBOLIC
40 LOGICAL     17    18    19    20    21    22    23    24    25    26    27    28    29    30    31
40 UNIT        DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK

9 132835 0 $SETUP A(8)     DISK,918
9 132835 0 $SETUP A(7)     1067,DISK
9 132835 0 $SETUP A(4)     DISK,1106
9 132835 0 $SETUP A(9)     DISK,1327
9 132835 0 $SETUP B(1)     DISK,226
9 132835 0 $ATEND          00000,77777,6,DUMP
9 132835 0 $EXECUTE        IBJOB
9 132948 0 FILES READY FOR USE.....
9 132948 0 SYSUNI      FILE NAME          UNIT


9 132948 0             UNIT01             B6
9 132948 0             UNIT03             B7
9 132948 0             UNIT04             A8
9 132948 0             UNIT08             A6
9 132948 0             UNIT09             A9
9 132948 0             UNIT10             A7
9 132948 0             UNIT11             A7
9 132948 0             UNIT12             A0
9 132948 0             FILE2              A8


9 133013 0 EXECUTION
9 133023 0  ***NETWORK GENERATED.
9 133023 0  INPUT CONVERTED
9 133035 0  NETWORK GENERATED
9 133810 0  UNIT   A8  FILE2            REMOVE  REEL 0001


9 133810 0  END OF INPUT. SIMULATION COMPLETE.
9 133810 0  RESTART WRITTEN, LIFT SS2 AND PRESS START TO CONTINUE.
9 133812 0  15053 LINES OUTPUT.
9 133813 0 $IBSYS
9 133814 0 $STOP

9 133814 0  PERIPHERAL FILE POSITIONS AT END OF JOB

9 133814 0  SYSPP1             REC. 00111, FILE 00000
9 133814 0  SYSOU1             REC. 12716, FILE 00000
9 133814 0  SYSIN1             REC. 00001, FILE 00003

9 133814 0 END OF JOB


9 133818 0       SYSTEMS CORE DUMP TAKEN AT THIS POINT


IBJOB VERSION 5 HAS CONTROL.
$IBJOB         MAP
$IBLDR UN01                                                    UN010000
$IBLDR UN03                                                    UN030000
$IBLDR UN04                                                    UN040000
$IBLDR UN08                                                    UN080000
$IBLDR UN09                                                    UN090000
$IBLDR UN10                                                    UN100000
$IBLDR UN11                                                    UN110000
$IBLDR UN12                                                    UN120000
$IBLDR MAIN                                                    MAIN0000
$IBLDR RDCC1                                        07/13/65   RDCC0000
$IBLDR BTOF                                                    BTUF0000
$IBLDR BPOINT                                                  BPOI0000
$IBLDR NETGEN                                                  NETG0000
$IBLDR ISUMA1                                       06/22/65   ISUM0000
$IBLDR GENXY1                                       06/22/65   GENX0000
$IBLDR PUTRE                                        06/22/65   PUTR0000
$IBLDR CONEC                                        06/22/65   CONE0000
$IBLDR RSF111                                       06/22/65   RSF10000
$IBLDR IPTCO                                        06/22/65   IPTC0000
$IBLDR META1                                        06/22/65   META0000
$IBLDR NETA2                                        06/22/65   NETA0000
$IBMAP NETSIM  (IOK,M94/2
```

```
9 132835 0 $JOB     245   C,20,20000     65-424,FLAUGHER J.G.,MABAP


90 UNIT        RD    PU    PR    A1    A2    A3    A4    A5    A6    A7    A8    A9    AC    B1    B2    B3    B4    B5    B6    B7
FUNCTION      CRD   PCH   PRT   LBI   INI   OUT   PP1   CR1                                     UT1   UT2   UT3   UT4   CR2
SYMBOLIC                                                          A(8)  A(7)  A(4)  A(9)  B(1)
40 LOGICAL     32    33    34    00    01    02    03    04    05    06    07    08    09    1C    11    12    13    14    15    16
40 UNIT      DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK

90 UNIT        B8    B9    B0    C1    C2    C3    C4    C5    C6    D1    D2    D3    D4    D5    D6
FUNCTION
SYMBOLIC
40 LOGICAL     17    18    19    20    21    22    23    24    25    26    27    28    29    30    31
40 UNIT      DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK


9 132835 0 $SETUP A(8)     DISK,918
9 132835 0 $SETUP A(7)     1067,DISK
9 132835 0 $SETUP A(4)     DISK,1104
9 132835 0 $SETUP A(9)     DISK,1327
9 132835 0 $SETUP B(1)     DISK,226
9 132835 0 $ATEND          00000,77777,6,%JMP
9 132835 0 $EXECUTE        IBJOB
9 132948 0 FILES READY FOR USE.....
9 132948 0 SYSUNI       FILE NAME          UNIT


9 132948 0              UNIT01             B6
9 132948 0              UNIT03             B7
9 132948 0              UNIT04             A8
9 132948 0              UNIT06             A6
9 132948 0              UNIT09             A9
9 132948 0              UNIT10             A7
9 132948 0              UNIT11             A7
9 132948 0              UNIT12             A0
9 132948 0              FILE2              A8 ```

```
9 133013 0 EXECUTION
9 133023 0 ***NETWORK GENERATED.
9 133023 0 INPUT CONVERTED
9 133035 0 NETWORK GENERATED
9 133810 0 UNIT   A8 FILE2   REMOVE REEL 0001

9 133810 0 END OF INPUT. SIMULATION COMPLETE.
9 133810 0 RESTART WRITTEN, LIFT SS2 AND PRESS START TO CONTINUE.
9 133812 0 15053 LINES OUTPUT.
9 133813 0 $IBSYS
9 133814 0 $STOP

9 133814 0 PERIPHERAL FILE POSITIONS AT END OF JOB

9 133814 0 SYSPP1   REC. 00111, FILE 00000
9 133814 0 SYSOU1   REC. 12716, FILE 00000
9 133814 0 SYSIN1   REC. 00001, FILE 00003

9 133814 0 END OF JOB

9 133818 0   SYSTEMS CORE DUMP TAKEN AT THIS POINT

IBJOB VERSION 5 HAS CONTROL.
$IBJOB   MAP
$IBLDR UN01   UN010000
$IBLDR UN03   UN030000
$IBLDR UN04   UN040000
$IBLDR UN08   UN080000
$IBLDR UN09   UN090000
$IBLDR UN10   UN100000
$IBLDR UN11   UN110000
$IBLDR UN12   UN120000
$IBLDR MAIN   MAIN0000
$IBLDR RDCC1   07/13/65   RDCC0000
$IBLDR BTOF   BTOF0000
$IBLDR BPOINT   BPOI0000
$IBLDR NETGEN   NETG0000
$IBLDR ISUMA1   06/22/65   ISUM0000
$IBLDR GENXY1   06/22/65   GENX0000
$IBLDR PUTRE   06/22/65   PUTR0000
$IBLDR CONEC   06/22/65   CONE0000
$IBLDR RSF111   06/22/65   RSF10000
$IBLDR IPTCO   06/22/65   IPTC0000
$IBLDR META1   06/22/65   META0000
$IBLDR NETA2   06/22/65   NETA0000
$IBMAP NETSIM (10K,M94/2
```
```

```
                                        ADD     V1,T1                                   LNK40065
                                        TCV     SCPSW
                                        END     GATEO                                   LNK40067
                                 OSSAVE MACRO   V1,T1
                                        TCV     **1                                     LNK40069
                                        ARS     1                                       LNK40070
                                        STL     OFLOC                                   LNK40071
                                        SUB     V1,T1                                   LNK40072
                                        TCV     OFLOC                                   LNK40073
                                        END     OSOVF                                   LNK40074
                                 FILE2  FILE    ,A(4),READY,INPUT,BLK=256,BIN
                        00310    OSIZE  EQU     200                                     LNK40076
                        03127    Y      EQU     *
                        03556    C      EQU     %CCDS
                        00561    #4%    EQU     #4
                        00560    #4#    EQU     #4
                        00562    PCENT  EQU     C4
                        00547    #ITAV  EQU     A1
                        00556    #3#    EQU     A3
                        00557    #3%    EQU     A3
                        00537    #4(#)  EQU     #3(#)                                   LNK40132
                        00538    #4(%)  EQU     #3(%)                                   LNK40133

BINARY CARD ID. NETSIM05
        00000  1 00000 0 00007  10001  NETSIM SAVE    (1,2,4)                           LNK40077
        00001  0774 00 2 00000  10000
        00002  0774 00 1 00000  10000
        00003  0774 00 4 00000  10000
        00004  0441 00 0 00006  10001
        00005  0020 00 4 00001  10000
        00006  0 00000 0 00000  10000
        00007  0634 00 3 00006  10001
        00010  0634 00 4 12400  10011
        00011  0634 00 4 27051  10000
        00012  0634 00 4 00003  10001
        00013  0634 00 1 00007  10001
        00014  0634 00 2 00001  10001
        00015  0760 00 3 00016  10000          LWTP
        00016  0500 60 4 00003  10000          CLA*    3,4
        00017  0601 00 0 03543  10001          STO     %LEVS
        00020  0402 00 0 03610  10001          SUB     =1              NO. OF LEVELS -1
        00021  0601 00 0 02501  10001          STO     LVCNTP
        00022  0500 60 4 00034  10000          CLA*    4,4

                NETSIM                                          11/19/65                        PAGE  5
            ASSEMBLED TEXT.

BINARY CARD ID. NETSIM05
        00023  0601 00 0 00535  10001          STO     READOP
        00024  0500 60 4 00005  10000          CLA*    5,4
        00025  0601 00 0 00536  10001          STO     %GMIN
        00026  0500 60 4 00006  10000          CLA*    6,4
        00027  0601 00 0 00537  10001          STO     %AMES
        00030  0500 60 4 00007  10000          CLA*    7,4
        00031  0601 00 0 03200  10001          STO     #EYS
        00032  0500 60 4 00010  10000          CLA*    8,4
        00033  0601 00 0 00530  10001          STO     ISW
                                               CALL    READCC(INDICT,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
        00034  000000000000     00010          ETC     FFSWT,Y,GWPC,#GPR,C)
        00034  0074 00 4 11400  10011
        00035  1 00021 0 00423  10011
        00036  0 27051 0 00152  10000
        00037  0 00000 0 03554  10001
        00040  0 00000 0 00547  10001
        00041  0 00000 0 00552  10001
        00042  0 00000 0 00553  10001
        00043  0 00000 0 00554  10001
        00044  0 00000 0 00555  10001

BINARY CARD ID. NETSIM07
        00045  0 00000 0 00556  10001
        00046  0 00000 0 00557  10001
        00047  0 00000 0 00560  10001
        00050  0 00000 0 00561  10001
        00051  0 00000 0 00562  10001
        00052  0 00000 0 03447  10001
        00053  0 00000 0 03552  10001
        00054  0 00000 0 03337  10001
        00055  0 00000 0 00551  10001
        00056  0 00000 0 00550  10001
        00057  0 00000 0 03556  10001
        00060  000000000000     00010          CALL    TPCR(READOP,%GMIN,%AMES)
        00060  0074 00 4 12000  10011
        00061  00003 0 00405    10011
        00062  0 27051 0 00154  10000
        00063  0 00000 0 00535  10001
        00064  0 00000 0 00536  10001
        00065  0 00000 0 00537  10001
        00066  0074 00 4 13000  10011          TSX     .OPEN,4                           LNK40080

BINARY CARD ID. NETSIM08
        00067  0 00000 0 04001  10010          PZE     FILE2
        00070  0074 00 4 13400  10011          TSX     .READ,4         SKIPS CONTROL RECORD
        00071  0 00212 0 04001  10110          PZE     FILE2,,EOB2
        00072  0 00466 0 00500  10101          PZE     EOT,,IREAD                        LNK40229
        00073  3 00000 2 00000  10000          IORTN   **,,**
        00074  0441 00 0 03554  10001          LDI     INDICT                            LNK40082
        00075  000000000500     00010          CALL    RDNET(SKIP,NETTSP,NETMAX)         LNK40083
        00075  0074 00 4 04400  10011
        00076  1 00003 0 00405  10011
        00077  0 27051 0 00164  10000
        00100  0 00000 0 30047  10000
        00101  0 00000 0 03544  10001
```

```
00102  0 00000 0 03553  10001
                                        CALL NETCHG(DT,EPSLN,PSTEP,GSAT,HS,MI,FPLS,FMINS,FPLI,FMINI,
00103  000000000000     00010          ETC     ESUM,NEXT,NULEVS,ISM,SNEXT)
00103  0074 00 4 02400  10011
00104  1 00017 0 00421  10011
00105  0 27091 0 00165  10000
00106  0 00000 0 30050  10000
00107  0 00000 0 30051  10000

BINARY CARD ID. NETSIM09
00110  0 00000 0 30052  10000
00111    00000 0 30053  10000
00112    00000 0 30055  10000
00113    00000 0 30056  10000
00114    00000 0 30057  10000
00115    00000 0 30060  10000
00116  0 00000 0 30061  10000
00117  0 00000 0 30062  10000
00120  0 00000 0 30064  10000
00121  0 00000 0 30303  10000
00122  0 00000 0 03543  10001
00123  0 00000 0 00530  10001
00124  0 00000 0 30303  10000
00125  0500 00 0 30047  10000          CLA     SKIP                                          LNK40088
00126  0771 00 0 00022  10000          ARS     18                                                B
00127  0601 00 0 03240  10001          STO     OPSNUM                                        LNK40089
00130  0534 00 2 30047  10000          LXA     SKIP,2                ON-SKIP TAPE            LNK40088
00131  0600 00 0 30047  10000          STZ     SKIP          REMOVE OPSNUM FROM DECREMENT OF SKIP.
00132  0634 00 2 30047  10000          SXA     SKIP,2

BINARY CARD ID. NETSIM10
00133  0500 00 0 00536  10001          CLA     NUMIN
00134  0340 00 0 00540  10001          CAS     C253
00135  0070 00 0 00403  10011          TRA     *+3
00136  0020 00 0 00456  10001          TRA     CHIOXY        ONE RECORD INPUT
00137  0020 00 0 00456  10001          TRA     CHIOXY
00140  0760 00 0 00144  10000          S N     4             TWO RECORD INPUT
00141  0500 00 0 03200  10001  RECSKP  CLA     KEYS          TEST FOR RESTART
00142  4320 00 0 00214  10001          ARA     FOUR                                          LNK40086
00143  0100 00 0 00152  10001          TZE     FCHG                  DO NOT SKIP             LNK40087
00144  7 00000 2 00152  10001          TXL     FCHG,2,0              SKIP ZERO RECORDS       LNK40089
00145  0074 00 4 13400  10011          TSX     .READ,4                SKIP A RECORD          LNK40090
00146  0 00212 0 04001  10110          PZE     FILE2,,EOR2             ON THE INPUT          LNK40091
00147  0 00466 0 00500  10101          PZE     FOT,,IREAD               TAPE                 LNK40092
00150  3 00000 2 00000  10000          IORTN   **,,**                                        LNK40093
00151  2 00001 2 40404  10011          TIX     *-4,2,1
00152  0500 00 0 03552  10001  FCHG   CLA     FFSWT                                         LNK40095
00153  0100 00 0 00170  10001          TZE     FFL4                                          LNK40096
00154  0534 00 2 03556  10001          LXA     NOCDS,2                STORE NEW FIX-FORGET VALUES LNK40097
00155  0774 00 1 00004  10000  FFL1   AXT     4,1                                           LNK40098

BINARY CARD ID. NETSIM11
00156  0500 00 1 03453  10001  FFL2   CLA     FFSPC+4,1                                     LNK40099
00157  0601 00 1 30063  10000  FFL3   STO     LEVEL+7,1                                     LNK40100
00160  2 00001 1 00156  10001          TIX     FFL2,1,1                                      LNK40101
00161  0500 00 0 00156  10001          CLA     FFL2                                          LNK40102
```



```
00162  0400 00 0 00214  10001          ADD     FOUR                                          LNK40103
00163  0621 00 0 00156  10001          STA     FFL2                                          LNK40104
00164  0500 00 0 00157  10001          CLA     FFL3                                          LNK40105
00165  0400 00 0 00215  10001          ADD     C10                                           LNK40106
00166  0621 00 0 00157  10001          STA     FFL3                                          LNK40107
00167  2 00001 2 00155  10001          TIX     FFL1,2,1                                      LNK40108
00170  0441 00 0 03554  10001  FFL4   LDI     INDICT
00171  0054 00  000010  10000          RFT     10                                            LNK40109
00172  0020 00 0 00216  10001          TRA     SCHED                 MODE2                   LNK40110
00173  0056 00  000004  10000          RNT     4                                             LNK40111
00174  0020 00 0 00404  10011          TRA     *+4                                           LNK40112
00175  0500 00 0 03557  10001          CLA     X1TRY                                         LNK40113
00176  0601 00 0 00547  10001          STO     M1TRY                                         LNK40114
00177  0020 00 0 00216  10001          TRA     SCHED                                         LNK40115
00200  0500 00 0 00556  10001          CLA     M3M                                           LNK40116

BINARY CARD ID. NETSIM12
00201  0601 00 0 00532  10001          STO     M3(M)                                         LNK40117
00202  0500 00 0 00557  10001          CLA     M3N                                           LNK40118
00203  0601 00 0 00533  10001          STO     M3(N)                                         LNK40119
00204  0054 00  000020  10000          RFT     20                                            LNK40120
00205  0020 00 0 00216  10001          TRA     SCHED                 MODE 3                  LNK40121
00206  0500 00 0 03560  10001          CLA     XCENT                 MODE 4                  LNK40122
00207  0601 00 0 00562  10001          STO     PCENT                                         LNK40123
00210  0020 00 0 00216  10001          TRA     SCHED                                         LNK40124
00211  0000 00 0 00400  10011  EOB    HTR     *                                             LNK40125
00212  0000 00 0 00400  10011  EOB2   HTR     *                                             LNK40126
00213  0 00000 0 30047  10000  CINIT          SKIP                                          LNK40127
00214  000000000004     10000  FOUR   DEC     4                                             LNK40128
00215  000000000012     10000  C10    DEC     10                                            LNK40129
```

```
                                    * INPT   SCCHEDULE ROUTINE                                          LNK40131
00216  0441 00 0 03554  10001  SCHED  LDI    INDICT
00217  0054 00  000004  10000         RFT    4
00220  0020 00 0 00240  10001         TRA    MODE1                                                     LNK40135
00221  0054 00  000010  10000         RFT    10                                                        LNK40136
00222  0020 00 0 00252  10001         TRA    MODE2                                                     LNK40137
00223  0054 00  000020  10000         RFT    20                                                        LNK40138

BINARY CARD ID. NETSIM13
00224  0020 00 0 00513  10001         TRA    MODE3                                                     LNK40139
00225  0054 00  000040  10000         RFT    40                                                        LNK40140
00226  0020 00 0 00335  10001         TRA    MODE4                                                     LNK40141
00227  000000000000     00010         CALL   .FPRN.(BCDC)*1746*                                        LNK40142
00227  0074 00 4 04060  10011
00230  1 00001 0 00403  10011
00231  0 27051 0 03322  10000
00232  0 00000 0 00602  10001
00233  000000000000     00010         CALL   .FFIL.                                                    LNK40143
00233  0074 00 4 05400  10011
00234  1 00000 0 00402  10011
00235  0 27051 0 00274  10000
00236  0420 00 0 00001  10000         HPR    1                                                         LNK40144
00237  0020 00 0 40401  10011         TRA    *-1                                                       LNK40145
00240  4760 00 0 00142  10000  MODE1  SLT    2                 WAS OUTPUT CORRECT                      LNK40146
00241  0020 00 0 00246  10001         TRA    M1A               OFF-INCORRECT                           LNK40147
00242  0074 00 4 00424  10001  M1     TSX    INPUT,4           ON-READ NEW INPUT                       LNK40148
00243  0534 00 4 00547  10001         LXA    MITRY,4           LOAD NUMBER OF TRIES                    LNK40149
00244  0634 00 4 00575  10001         SXA    READS,4                                                   LNK40150

BINARY CARD ID. NETSIM14
00245  0020 00 0 00641  10001         TRA    BEGIN                                                     LNK40151
00246  0534 00 4 00575  10001  M1A    LXA    READS,4           TEST FOR MAXIMUM TRIES                  LNK40152
00247  6 00001 4 00242  10001         TNX    M1,4,1                                                    LNK40153
00250  0634 00 4 00575  10001         SXA    READS,4                                                   LNK40154
00251  0020 00 0 00641  10001         TRA    BEGIN                                                     LNK40155
00252  4760 00 0 00142  10000  MODE2  SLT    2             TEST FOR CORREST RESPONSE
00253  0020 00 0 00311  10001         TRA    M5E           NO--OFF
00254  0534 00 1 00545  10001         LXA    D(2),1        YES--ON
00255  6 00001 1 00266  10001         TNX    M5C,1,1       C2 VAULES CONSECUTIVELY CORRECT
00256  0634 00 1 00545  10001  M5A    SXA    D(2),1        SAVE D(2)
00257  0534 00 1 00544  10001         LXA    C(2),1        TESTC(2)--NUMBER OF TRIES FOR D2
00260  6 00001 1 00266  10001         TNX    M5C,1,1       C2 TRIES FOR D2 CONSECUTIVELY CORRECT
00261  0634 00 1 00544  10001         SXA    C(2),1        RESPONSES --SAVE C(2)
00262  0074 00 4 00402  10001         TSX    DOUBSR,4
00263  0500 00 0 03324  10001         CLA    ONE
00264  0074 00 4 00424  10001  M5B    TSX    INPUT,4
00265  0020 00 0 00641  10001         TRA    BEGIN
00266  0500 00 0 00555  10001  M5C    CLA    D2            RESET D(2)
00267  0601 00 0 00545  10001         STO    D(2)

BINARY CARD ID. NETSIM15
00270  0500 00 0 00554  10001         CLA    C2
00271  0601 00 0 00544  10001         STO    C(2)          RESET C(2)
00272  0534 00 1 00542  10001         LXA    A(2),1        TEST NUMBER OF INPUTS PER CYCLE
00273  2 00001 1 00307  10001         TIX    M5F,1,1       MORE INPUTS
```



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00274  0534 00 1 00543  10001         LXA    B(2),1        TEST NUMBER OF CYCLES
00275  6 00001 1 00304  10001         TNX    M5D,1,1       NO MORE COCLES
00276  0634 00 1 00543  10001         SXA    B(2),1        SAVE NUMBER OF CYCLES REMAINING
00277  0074 00 4 00402  10001         TSX    DOUBSR,4
00300  0500 00 0 00552  10001         CLA    A2
00301  0500 00 0 00552  10001         CLA    A2            RESET COUNTER OF INPUT NAMES
00302  0601 00 0 00542  10001         STO    A(2)
00303  0020 00 0 00264  10001         TRA    M5B
00304  0500 00 0 00553  10001  M5D    CLA    B2            RESET CYCLE INDEX
00305  0601 00 0 00543  10001         STO    B(2)
00306  0534 00 1 00552  10001         LXA    A2,1          RESET INPUT COUNTER INDEX
00307  0634 00 1 00542  10001  M5F    SXA    A(2),1
00310  0020 00 0 00264  10001         TRA    M5B
00311  0534 00 1 00555  10001  M5E    LXA    D2,1          RESET CONSECUTIVELY CORRECT RESPONSE INDEX
00312  0020 00 0 00256  10001         TRA    M5A

BINARY CARD ID. NETSIM16
00313  0534 00 4 00577  10001  MODE3  LXA    MINPS,4           HAVE M INPUTS BEEN READ                 LNK40163
00314  6 00001 4 00320  10001         TNX    M3A,4,1                                                   LNK40164
00315  0634 00 4 00577  10001         SXA    MINPS,4           NO-READ NEXT INPUT                      LNK40165
00316  0074 00 4 00424  10001  M3     TSX    INPUT,4                                                   LNK40166
00317  0020 00 0 00641  10001         TRA    BEGIN                                                     LNK40167
00320  0534 00 2 00532  10001  M3A    LXA    M3(M),2       YES-RESET M COUNTER                     LNK40168
00321  0634 00 2 00577  10001         SXA    MINPS,2                                                   LNK40169
00322  0534 00 4 00600  10001         LXA    NCYCS,4       HAVE N CYCLES BEEN READ                 LNK40170
00323  2 00001 4 00327  10001         TIX    M3B,4,1
00324  0534 00 2 00533  10001         LXA    M3(N),2           YES-RESET N COUNTER                     LNK40172
00325  0634 00 2 00600  10001         SXA    NCYCS,2                                                   LNK40173
00326  0020 00 0 00333  10001         TRA    M3C                                                       LNK40174
00327  0634 00 4 00600  10001  M3B    SXA    NCYCS,4       NO--BSP M TIMES                         LNK40181
00330  0074 00 4 00402  10001         TSX    DOUBSR,4
00331  0500 00 0 00532  10001         CLA    M3(M)
00332  0441 00 0 03554  10001         LDI    INDICT
00333  0074 00 4 00424  10001  M3C    TSX    INPUT,4                                                   LNK40182
00334  0020 00 0 00641  10001         TRA    BEGIN                                                     LNK40183
00335  0500 00 0 00576  10001  MODE4  CLA    TOTAL             ADD ONE TO TOTAL TRIES                  LNK40184
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BINARY CARD ID. NETSIM17
00336  0400 00 0 03324  10001          ADD    ONE                                          LNK40185
00337  0601 00 0 00576  10001          STO    TOTAL                                        LNK40186
00340  4760 00 0 00142  10000          SLT    2                 WAS LAST RESPONSE CORRECT  LNK40187
00341  0020 00 0 00345  10001          TRA    M4                N/                         LNK40188
00342  0500 00 0 00601  10001          CLA    RESCT             YES-ADD 1 TO COUNT         LNK40189
00343  0400 00 0 03324  10001          ADD    ONE                                          LNK40190
00344  0601 00 0 00601  10001          STO    RESCT                                        LNK40191
00345  0534 00 4 00577  10001  M4       LXA    MINPS,4           HAVE M INPUTS BEEN READ    LNK40192
00346  6 00001 4 00352  10001          TNX    M4A,4,1                                      LNK40193
00347  0634 00 4 00577  10001          SXA    MINPS,4           NO-READ NEW RECORD         LNK40194
00350  0074 00 4 00424  10001          TSX    INPUT,4                                      LNK40195
00351  0020 00 0 00641  10001          TRA    BEGIN                                        LNK40196
00352  0534 00 2 00532  10001  M4A      LXA    M4(M),2
00353  0634 00 2 00577  10001          SXA    MINPS,2                                      LNK40198
00354  0500 00 0 00601  10001          CLA    RESCT             CALCULATE PERCENT          LNK40199
00355  0560 00 0 03323  10001          LDQ    ZERO                                         LNK40200
00356  0271 00 0 00576  10001          DVP    TOTAL                                        LNK40201
00357  0760 00 0 00012  10000          DCT                                                 LNK40202
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00360  0020 00 0 00364  10001          TRA    M4B               CORRECT RESPONSE ON EACH INPUT  LNK40203

BINARY CARD ID. NETSIM18
00361  0131 00 0 00000  10000          XCA                                                 LNK40204
00362  0402 00 0 00562  10001          SUB    PCENT             IS PERCENT GREATER         LNK40205
00363  4120 00 0 00372  10001          TMI    M4C               THAN SPECIFIED ONE         LNK40206
                                                            YES-RESET N COUNTER            LNK40207
00364  0534 00 4 00533  10001  M4B      LXA    M4(N),4                                      LNK40208
00365  0634 00 4 00600  10001          SXA    NCYCS,4                                      LNK40209
00366  0074 00 4 00424  10001          TSX    INPUT,4           READ NEW RECORD            LNK40210
00367  0600 00 0 00601  10001          STZ    RESCT                                        LNK40211
00370  0600 00 0 00576  10001          STZ    TOTAL                                        LNK40212
00371  0020 00 0 00641  10001          TRA    BEGIN                                        LNK40213
00372  0534 00 4 00600  10001  M4C      LXA    NCYCS,4           HAVE N CYCLES BEEN READ    LNK40214
00373  6 00001 4 00364  10001          TNX    M4B,4,1
00374  0634 00 4 00600  10001          SXA    NCYCS,4           NO--BSP M TIMES            LNK40216
00375  0074 00 4 00402  10001          TSX    DOUBSR,4
00376  0500 00 0 00532  10001          CLA    M4(M)             BACKSPACE M4(M) INPUTS
00377  0441 00 0 03554  10001          LDI    INDICT
00400  0074 00 4 00424  10001          TSX    INPUT,4           READ CYCLE AGAIN            LNK40223
00401  0020 00 0 00641  10001          TRA    BEGIN                                        LNK40224
00402  0634 00 4 00421  10001  DOUBSR   SXA    OUTBSR,4
00403  0522 00 4 00001  10000          XEC    1,4               CLA NUMBER OF INPUTS

BINARY CARD ID. NETSIM19
00404  4760 00 0 00144  10000          SLT    4
00405  0020 00 0 00403  10011          TRA    *+3               ONE RECORE INPUT
00406  0760 00 0 00144  10000          SLN    4                 SLN-TWO RECORD INPUT--RESET
00407  0400 60 4 00001  10000          ADD*   1,4               DOUBLE NO. OF INPUTS FOE RECORD COUNT
00410  0734 00 2 00000  10000          PAX    0,2
00411  000000000000     00010  BACK    CALL   .FBST.(ZZZ)
00411  0074 00 4 07000  10011
00412  1 00001 0 00403  10011
00413  0 27051 0 00451  10000
00414  0 00000 0 00423  10001
00415  0500 00 0 30047  10000          CLA    SKIP
00416  0402 00 0 03324  10001          SUB    ONE
00417  0601 00 0 30047  10000          STO    SKIP
00420  2 00001 2 00411  10001          TIX    BACK,2,1
00421  0774 00 4 00000  10000  OUTBSR  AXT    **,4
00422  0020 00 4 00002  10000          TRA    2,4
00423  0 00000 0 04001  10010  ZZZ     PZE    FILE2
00424  0634 00 4 00451  10001  INPUT   SXA    IPTRA,4           READ NEXT RECORD FROM       LNK40225
00425  0000C0000000     00010          CALL   .FWRD.(.UN06.,TCYCL)'7000'

BINARY CARD ID. NETSIM20
00425  0074 00 4 10400  10011
00426  1 00002 0 00404  10011
00427  0 27051 0 15530  10000
00430  0 00000 0 14000  10011
00431  0 00000 0 00564  10001
00432  0500 00 0 00542  10001          CLA    A(2)
00433  0074 00 4 14400  10011          TSX    .FCNV.,4
00434  0500 00 0 00544  10001          CLA    C(2)
00435  0074 00 4 14400  10011          TSX    .FCNV.,4
00436  0500 00 0 00545  10001          CLA    D(2)
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00437  0074 00 4 14400  10011          TSX    .FCNV.,4
00440  0000C0000000     00010          CALL   .FFIL.'7000'
00440  0074 00 4 05400  10011
00441  1 00000 0 00407  10011
00442  0 27051 0 15530  10000
00443  0074 00 4 13400  10011  READ    TSX    .READ,4                                      LNK40227
00444  0 00212 0 04001  10110          PZE    FILE2,,EOB2                                  LNK40228
00445  0 00466 0 00500  10101          PZE    EOT,,IREAD
00446  2 00400 0 27046  10000  ICOMM   IORP   NOCNT,,256
```

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BINARY CARD ID. NETSIM21
00447  4 00C01 2 00000  10000          IOCPN   **,,1
00450  3 00377 0 27446  10000          IORT    NOCNT+256,,255
00451  0774 00 4 00000  10000  IPTRA   AXT     **0,4                                          LNK40231
00452  0500 00 0 30047  10000          CLA     SKIP                ADD TO NUMBER OF RECORDS READ  LNK40232
00453  0400 00 0 03325  10001          ADD     TWO
00454  0601 00 0 30047  10000          STO     SKIP                                           LNK40234
00455  0020 00 4 00001  10000          TRA     1,4                                            LNK40235
00456  4500 00 0 00527  10001  CHIOXY  CAL     OWEREC        IOCD FOR OK REC. SENORY INPUT.
00457  0602 00 0 00446  10001          SLW     ICOMM
00460  0500 00 0 00526  10001          CLA     NOPP
00461  0601 00 0 00447  10001          STO     ICOMM+1
00462  0601 00 0 00450  10001          STO     ICOMM+2
00463  0500 00 0 00531  10001          CLA     WDONE         MOCIFY REDORD COUNTER
00464  0621 00 0 00453  10001          STA     IPTRA+2
00465  0020 00 0 00141  10001          TRA     RECSKP        RETURN TO PROGRAM
00466  0000C0000000     00010  IREAD   CALL    .FPRN.(BCDE)'1866'                             LNK40236
00466  0074 00 4 04000  10011
00467  1 00001 0 00403  10011
00470  0 27051 0 03517  10000

BINARY CARD ID. NETSIM22
00471  0 00000 0 00621  10001
00472  000000000000     00010          CALL    .FFIL.                                         LNK40237
00472  0074 00 4 05400  10011
00473  1 00000 0 00402  10011
00474  0 27C51 0 00516  10000
00475  0420 00 0 00001  10000          HPR     1                                              LNK40238
00476  0020 00 0 40401  10011          TRA     *-1                                            LNK40239
00477  0000 00 0 00400  10011          HTR     *                                              LNK40240
00500  0074 00 4 15000  10011  EOT     TSX     .CLOSE,4            CLOSE DATA FILE            LNK40241
00501  0 00000 0 04001  10010          PZE     FILE2                                          LNK40242
00502  000000000000     00010          CALL    .FPRN.(ENDIP)'1875'                            LNK40243
00502  0074 00 4 04000  10011
00503  1 00001 0 00403  10011
00504  0 27051 0 03523  10000
00505  0 00000 0 00630  10001
00506  000000000000     00010          CALL    .FFIL.                                         LNK40244
00506  0074 00 4 05400  10011
00507  1 00000 0 00402  10011
00510  0 27C51 0 00525  10000

BINARY CARD ID. NETSIM23
00511  000000000000     00010          CALL    .FWRD.(.UN06.,ENDIP)'1876'                     LNK40245
00511  0074 00 4 10400  10011
00512  1 00C02 0 00404  10011
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00513  0 27C51 0 03524  10000
00514  0 00000 0 14000  10011
00515  0 00000 0 00630  10001
00516  000000000000     00010          CALL    .FFIL.                                         LNK40246
00516  0074 00 4 05400  10011
00517  1 00000 0 00402  10011
00520  0 27051 0 00527  10000
00521  000000000000     00010          CALL    .FEFT.(.UN03.)                                 LNK40247
00521  0074 00 4 074C/  10011
00522  1 00001 0 00403  10011
00523  0 27051 0 00530  10000
00524  0 00C00 0 15400  10011
00525  0020 00 0 02527  10001          TRA     WRES                                           LNK40249
                                  *  STOAGE FOUR SCHEDULE ROUTINE                             LNK40250
00526  0761 00 0 00000  10000  NOPP   NOP
00527  3 00400 0 27046  10000  ONEREC IORT    NOCNT,,256
                   30303         SNEXT  EQU     NEXT
00530  0 00000 0 00C00  10000    ISM  PZE     0

BINARY CARD ID. NETSIM24
00531  0 00000 0 03324  10001  WDONE  PZE     ONE
00532  000C00000012     10000  M3(M)  DEC     10                                             LNK40255
00533  000000000012     10000  M3(N)  DEC     10                                             LNK40254
00534  000000000003     10000  THREE  DEC     3
00535  0 00C00 0 00000  10000  READOP PZE     0
00536  0 00C00 0 00000  10000  NUMIN  PZE     0
00537  0 00000 0 00000  10000  NAMES  PZE     0
00540  0000C0000375     10000  C253   DEC     253
00541  0 00000 0 00000  10000  BIASCH PZE     0
00542  0 00000 0 00000  10000  A(2)   PZE     0
00543  0 00000 0 00000  10000  B(2)   PZE     0
00544  0 00000 0 00000  10000  C(2)   PZE     0
00545  0 00000 0 00C00  10000  D(2)   PZE     0
00546  0 00000 0 00000  10000  CNTR   PZE     0
00547  200000000001     00001  A1     BSS     1
00550  200000000001     00001  MGPR   BSS     1
00551  200000000001     00001  GWPC   BSS     1
00552  200000000001     00001  A2     BSS     1
00553  200000000001     00001  B2     BSS     1

BINARY CARD ID. NETSIM25
00554  200000000001     00001  C2     BSS     1
00555  200000000001     00001  D2     BSS     1
00556  200000000001     00001  A3     BSS     1
00557  200000000001     00001  B3     BSS     1
00560  200000000001     00001  A4     BSS     1
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00561  200000000001     00001  B4     BSS     1
00562  200000000001     00001  C4     BSS     1
00563  000000100000     10000  K20    OCT     100000
00564  740730604431     10000  TCYCL  BCI     09,(7H MINPS=,012,5X,7H NCYCS=,012,5X,8H INDICT=,012////)
00565  454762137346     10000
00566  010273056773     10000
00567  073260452370     10000
00570  236213734601     10000
00571  327305677310     10000
00572  000031452431     10000
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00573  236313734601     10000
00574  020161616134     10000
00575  0 00000 0 00000  10000  READS                          INDEX FOR MITRY          LNK40255
00576  0 00000 0 00000  10000  TOTAL                                                   LNK40256

BINARY CARD ID. NETSIM26
00577  0 00000 0 00000  10000  MINPS                         INDEX FOR M3(M)          LNK40257
00600  0 00000 0 00000  10000  NCYCS                         INDEX FOR M3(N)          LNK40258
00601  0 00000 0 00000  10000  RESCT                         CORRECT RESPONSE COUNT   LNK40259
00602  740111306031     10000  BCDC   BCI     5,(19H ILLEGAL INPUT MODE////)          LNK40261
00603  434325272143     10000
00604  503145476463     10000
00605  604446242561     10000
00606  616161346060     1000
00607  740407306051     10000  BCDD   BCI     9,(47H RAISE SIGN BIT TO REPEAT NEXT INPUT, HIT START/// LNK40262
00610  213162256062     10000
00611  312745602231     10000
00612  636063466051     10000
00613  254725216360     10000
00614  452567636031     10000
00615  454764637360     10000
00616  303163606263     10000
00617  215163616161     10000
00620  613460606060     10000          BCI     1,/)                                    LNK40263
00621  740202306031     10000  BCDE   BCI     7,(22H INPUT TAPE UNREADABLE////)       LNK
BINARY CARD ID. NETSIM27
00622  454764636063     10000
00623  214725606445     10000
00624  512521242122     10000
00625  432561616161     10000
00626  346060606060     10000
00627  606060606060     10000
00630  740131610306     10000  ENDIP  BCI     8,(///36H END OF INPUT. SIMULATION COMPLETE. /1H1)  LNK40265
00631  306025452460     10000
00632  462660314547     10000
00633  646333656231     10000
00634  446443216331     10000
00635  464560234644     10000
00636  474325632333     10000
00637  606161300134     10000
00640  0000 00 0 00400  10011  BOF    HTR     *                                       LNK40266
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                                  *  NETORK SIIMULATION PROGRAM                        LNK40268
                                  *                    SENSE SWITCH 1 OPERATOR CONTROL OF INP  LNK40269
                                  *                    SENSE SWITCH 2 UP DO NOT CONVERT INPUT  LNK40270
                                  *                    SENSE SWITCH 2 DOWN - CONVERT INPUT     LNK40271
                                  *                    SENSE LIGHT 1=NEGATIVE G-SET            LNK40272
                                  *                    SENSE LIGHT 2=CORRECTNESS OF OUTPUT     LNK40273
                                  *                    SENSE LIGHT 3=CONVERGENCE OF OUTPUT     LNK40274
                                  *                    INDICATOR BIT 2=OMIT I COMPUTE FOR      LNK40275
                                  *                    ITERATION                               LNK40276
                                  *                    INDICATOR BIT 3=INPUT MODE 1            LNK40277
                                  *                    INDICATOR BIT 4 = INPUT MODE 2          LNK40278
                                  *                    INDICATOR BIT 5 = INPUT MODE 3          LNK40279
                                  *                    INDICATOR BIT 6 = INPUT MODE 4          LNK40280
                                  *                    INDICATOR BIT 7 ON=MANUAL CHANGE OF MS  LNK40281
                                  *                    8 ON=MANUAL CHANGE OF BIAS              LNK40282
                                  *                    9 ON = SUM. MODE FOR DECISION PROCEDUR  LNK40283
                                  *                    9 OFF=MAXIMUM MODE                      LNK40284
                                  *                    10 ON=PRINT G-SETS                      LNK40285
                     00031        TRYS   EQU     25        MAXIMUM NO. OF ITERATIONS         LNK40286
                                  *                    TRIALS FOR CONVERGENCE                  LNK40287
00641  0774 00 1 00000  10000  BEGIN  AXT     0,1            SET LEVEL=1                     LNK40289
00642  0554 00 1 00660  10001         SXA     LEVIR,1        SET TO FIRST COMPONENT          LNK40290
00643  0500 00 0 03324  10001         CLA     ONE                                            LNK40291
00644  0601 00 0 03342  10001         STO     LEVCT          SET LEVEL TO 1 FOR PRINTING     LNK40292
BINARY CARD ID. NETSIM28
00645  0441 00 0 03554  10001         LDI     INDICT
00646  0055 00  000100  10000         SIR     100            LEVEL SUMMING-QATWO TOV SIGNAL
00647  0057 00  000200  10000         RIR     200
00650  0604 00 0 03554  10001         STI     INDICT
00651  0500 00 1 30055  10000  SAVEM  CLA     MS,1                                           LNK40293
00652  0601 00 0 03355  10001         STO     OLDMS                                          LNK40294
00653  0600 00 1 30063  10000         STZ     BIAS,1
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00654  0500 00 0 00526  10001          CLA     NOPP
00655  0601 00 0 01215  10001          STO     REVER1
00656  0601 00 0 01314  10001          STO     REVER2
00657  0600 00 0 03336  10001  ZITER   STZ     TRIAL          RESET LEVEL ITERATION COUNTER     LNK40295
00660  0774 00 2 00000  10000  LEVIR   AXT     **0,2          BEGINNING OF LEVEL(2STCOMP)       LNK40296
00661  0600 00 0 03334  10001          STZ     OSUM           INITIALIZE OF OUTPUTS             LNK40297
00662  0600 00 0 03343  10001          STZ     COMCT                                            LNK40298
00663  0774 00 6 00000  10000          AXT     0,6
00664  0634 00 2 00725  10001  BECOM   SXA     AXT2,2         BEGINNING OF COMPONENT            LNK40299
00665  0634 00 1 00726  10001          SXA     LEV1,1         SAVE 'EVEL NUMBER                 LNK40300
00666  0500 00 0 03343  10001          CLA     COMCT                                            LNK40301
00667  0400 00 0 03324  10001          ADD     ONE                                              LNK40302

BINARY CARD ID. NETSIM29
00670  0601 00 0 03343  10001          STO     COMCT                                            LNK40303
00671  0500 00 2 30316  10000          CLA     XANDY,2                                          LNK40304
00672  4734 00 4 00000  10000          PDX     0,4                                              LNK40305
00673  0634 00 4 03551  10001          SXA     YYYY,4          SAVE YYYY                        LNK40567
00674  0634 00 4 00742  10001          SXA     AXT3,4         SAVE NO. OF PRIMARY LINES         LNK40306
00675  1 77764 2 00401  10011          TXI     *+1,2,-12      INDEX PAST 12 WORDS               LNK40307
00676  0734 00 4 00000  10000          PAX     0,4            NUMBER OF STATE LINES             LNK40308
00677  0634 00 4 03550  10001          SXA     XXXX,4          SAVE XXXX                        LNK40564
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00700  0600 00 0 03335  10001          STZ     TSUM                                             LNK40309
00701  7 00000 4 00745  10001          TXL     PRLIN,4,0      TEST FOR ZERO STATE LINES         LNK40310
00702  0441 00 0 03554  10001          LDI     INDICT
00703  0054 00  000002  10000          RFT     2              TEST I-COMPUTE BIT                LNK40311
00704  1 00001 1 00401  10011          TXI     *+1,1,1        OUTPUT CALCULATED-TAKE NEW VALUE  LNK40312
00705  0500 00 1 30066  10000          CLA     OVAL,1         INDEX FOR DIRECT EFFECTIVE ADDRESSLNK40313
00706  0737 00 1 00000  10000          PAC     0,1                                              LNK40314
00707  0560 60 2 30303  10000  SSUM    LDQ*    LINE1,2                                          LNK40315
                 00710                QMPYB   LINE1,2                                          LNK40316
                 00715                QADDA   TSUM,0                                           LNK40317

BINARY CARD ID. NETSIM30
00722  0601 00 0 03335  10001          STO     TSUM                                             LNK40318
00723  1 77777 2 00401  10011          TXI     *+1,2,-1                                         LNK40319
00724  2 00001 4 00707  10001          TIX     SSUM,4,1                                         LNK40320
00725  0774 00 4 00000  10000  AXT2    AXT     **0,4          BEGINNING OF COMPONENT            LNK40321
00726  0774 00 1 00000  10000  LEV1    AXT     **0,1          LEVEL NUMBER                      LNK40322
00727  0560 00 0 03335  10001          LDQ     TSUM                                             LNK40323
                 00730                QMPYA   MS,1                                             LNK40324

BINARY CARD ID. NETSIM31
00736  0601 00 4 30306  10000          STO     SVAL,4         SAVE COMPUTED S                   LNK40325
00737  0441 00 0 03554  10001          LDI     INDICT
00740  0056 00  000002  10000          RNT     2              TEST IF I IS COMPUTED             LNK40326
00741  0020 00 0 00745  10001          TRA     PRLIN          NO, COMPUTE IT                    LNK40327
00742  4774 00 4 00000  10000  AXT3    AXC     **0,4          YES,INDEX TO NEXT COMPONENT       LNK40328
00743  4634 00 4 00401  10011          SXD     *+1,4          BY-Y                              LNK40329
00744  1 00000 2 01010  10001          TXI     OPUT,2,**0     -NO. OF PRIMARY LINES(-Y)         LNK40330
                                 *                                                               LNK40331
                                 *                      CALCULATE AND SAVE COMPUTED I VALUE      LNK40332
00745  0534 00 4 00742  10001  PRLIN   LXA     AXT3,4         NO. OF PRIMARY LINES              LNK40333
00746  7 00000 4 01010  10001          TXL     OPUT,4,0       TEST FOR ZERO PRIMARY LINES       LNK40334
00747  0500 00 1 30054  10000          CLA     OVAL-10,1      INDEX FOR DIRECT EFFECTIVE ADDRESSLNK40335
00750  0737 00 1 00000  10000          PAC     0,1                                              LNK40336
00751  0600 00 0 03335  10001          STZ     TSUM                                             LNK40337
00752  0500 00 0 01102  10001          CLA     IIST           SKIP SVAL ON FIRST OUTPUT--GARBAGE
00753  0601 00 0 01020  10001          STO     ICHANG
00754  0560 60 2 30303  10000  ISUM    LDQ*    LINE1,2                                          LNK40338
                 00755                QMPYB   LINE1,2                                          LNK40339
                 00762                QADDA   TSUM,0                                           LNK40340

BINARY CARD ID. NETSIM32
00767  0601 00 0 03335  10001          STO     TSUM                                             LNK40341
00770  1 77777 2 00401  10011          TXI     *+1,2,-1                                         LNK40342
00771  2 00001 4 00754  10001          TIX     ISUM,4,1                                         LNK40343
00772  0534 00 4 00725  10001          LXA     AXT2,4         GET BEGINNING OF COMPONENT        LNK40344
00773  0534 00 1 00726  10001          LXA     LEV1,1         GET LEVEL NUMBER                  LNK40345
00774  0560 00 0 03335  10001          LDQ     TSUM                                             LNK40346
                 00775                QMPYA   MI,1                                             LNK40347
                 01003                QADDB   BIAS,1                                           LNK40348
                                 *  CALULATE  O=S+I                                            LNK40349

BINARY CARD ID. NETSIM33
01007  0601 00 4 30305  10000          STO     IVAL,4         SAVE COMPUTED I                   LNK40350
01010  0534 00 4 00725  10001  OPUT    LXA     AXT2,4                                           LNK40351
01011  0500 00 1 30065  10000          CLA     OFLIP,1        OUTPUT FLIPFLOP                   LNK40352
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01012  0400 00 0 03327  10001          ADD     2NEXT          GET ADDRESS OF OUTPUT             LNK40353
01013  0621 00 0 01037  10001          STA     OLD            OLD OUTPUT IN ADDRESS             LNK40354
01014  0771 00 0 00022  10000          ARS     18                                               LNK40355
01015  0621 00 0 01026  10001          STA     NEW            NEW OUTPUT IN DEFR                LNK40356
01016  0500 00 4 30306  10000          CLA     SVAL,4                                           LNK40357
01017  0140 00 0 00401  10011          TOV     *+1                                              LNK40358
01020  0761 00 0 00000  10000  ICHANG  NOP
01021  0767 00 0 00010  10000          ALS     8
01022  0120 00 0 00403  10011          TPL     *+3            TEST OFR POSITIVE OVERFOLW
01023  4754 00 0 00000  10000          PXD     0,0                                              LNK40361
01024  0100 00 0 00402  10011          TZE     *+2            SKIP SATURATION FOR NEGETIVE OVERFOLW
01025  0140 00 0 01136  10001          TOV     SAT
01026  0601 00 4 00000  10000  NEW     STO     **0,4          STORE NEW OUTPUT VALUE            LNK40365
                 01027                QATWO   OSUM,0         ADD TO SUM                        LNK40366
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BINARY CARD ID. NETSIM34
      01034  0601 00 0 03334  10001          STO     OSUM
      01035  4520 00 0 03336  10001          NZT     TRIAL                                                    LNK40367
      01036  007C 00 0 01056  10001          TRA     MRCOMP        SKIP CONVERGENCE TEST -- FORCE ITERATION
      01037  0500 00 4 00000  10000  OLD     CLA     **0,4                COMPARE OLD VALUE                   LNK40368
      01040  0402 00 0 01026  10001          SUB*    NEW                  WITH NEW VALUE                      LNK40369
      01041  0560 00 0 03323  10001          LDQ     ZERO                                                     LNK40370
      01042  0221 00 0 01037  10001          DVP*    OLD                  COMPUTE (OLD-NEW)/OLD               LNK40371
      01043  0760 00 0 00012  10000          DCT                                                              LNK40372
      01044  0020 00 0 01046  10001          TRA     OFF+1                ON                                  LNK40373
      01045  0131 00 0 00000  10000  OFF     XCA                          OFF                                 LNK40374
      01046  0760 00 0 00003  10000          SSP                                                              LNK40375
                     01047                   OSONE   FPSLN,0        HAS OUTPUT CONVERGED                      LNK40376
BINARY CARD ID. NETSIM35
      01054  4120 00 0 00402  10011          TMI     **2                  YES                                 LNK40377
      01055  0760 00 0 00143  10000          SLN     3                    NO,SET SWITCH                       LNK40378
      01056  0500 00 2 30303  10000  MRCOMP  CLA     NEXT,2                                                   LNK40380
      01057  0120 00 0 00464  10001          TPL     BECOM                NO,GET NEXT ONE                     LNK40383
      01060  0534 00 4 03336  10001          LXA     TRIAL,4              NO. OF TRIES                        LNK40384
      01061  3 00C00 4 01071  10001          TXH     TRI,4,0              TEST FOR FIRST ITERATION            LNK40385
      01062  0441 00 0 03554  10001          LDI     INDICT                                                   LNK40386
      01063  0055 00  000002  10000          SIR     2                    YES-SET BIT TO OMIT I COMPUTED      LNK40388
      01064  0500 00 0 01103  10001          CLA     I2ND                                                     LNK40389
      01065  0601 00 0 01020  10001          STO     ICHANG                                                   LNK40390
      01066  0604 00 0 03554  10001          STI     INDICT                                                   LNK40391
      01067  0774 00 4 00031  10000          AXT     TRYS,4               SET UP LOOP                         LNK40392
      01070  0020 00 0 00404  10011          TRA     **4                                                      LNK40393
      01071  4760 00 0 00143  10000  TRI     SLT     3            TEST FOR CO VERFENCE
      01072  0020 00 0 01161  10001          TRA     STABL                OFF-CONVERGENCE                     LNK40394
      01073  4 00C01 4 01104  10001          TNX     UNSTA,4,1    TEST FOR MAXIMUM TRIES FOR CONVERGENCE      LNK40405
      01074  0634 00 4 03336  10001          SXA     TRIAL,4              NOT ENOUGH                          LNK40406
BINARY CARD ID. NETSIM36
      01075  0534 00 1 00726  10001          LXA     LEV1,1               REVERSE OFLIP                       LNK40407
      01076  0560 00 1 30065  10000          LDQ     OFLIP,1                                                  LNK40408
      01077  4775 00 0 00022  10000          RQL     18                                                       LNK40409
      01100  4600 00 1 30065  10000          STO     OFLIP,1                                                  LNK40410
      01101  0020 00 0 00660  10001          TRA     LEVIR                START LEVEL AGAIN                   LNK40411
      01102  0500 00 4 30305  10000  11ST    CLA     IVAL,4                                                   LNK40412
      01103  0400 00 4 30305  10000  I2ND    ADD     IVAL,4
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                                      *  LEVL IS UUNSTABLE. REDUCE MS
      01104  0020 00 0 0110.  10001  UNSTA  TRA     UNS1                                                     LNK40413
      01105  0500 00 1 30055  10000  UNS1   CLA     MS,1                                                     LNK40414
      01106  0402 00 0 30052  10000         SUB     MSTEP                                                    LNK40415
      01107  0120 00 0 00402  10011         TPL     *^2                                                      LNK40416
      01110  4754 00 0 00000  10000         PXD     0,0                                                      LNK40417
      01111  0601 00 1 30035  10000  UNS2   STO     MS,1                 STORE NEW MS                        LNK40418
      01112  0601 00 0 03546  10001         STO     AAA                                                      LNK40419
      01113  0000C0000000     00010         CALL    BTOF'AAA,=5,AAA)'2047'                                   LNK40420
      01113  0074 00 4 03400  10011
      01114  1 00C03 0 00405  10011
      01115  0 27051 0 03777  10000
      01116  0 00C00 0 03546  10001
BINARY CARD ID. NETSIM37
      01117  0 00000 0 03611  10001
      01120  0 00C00 0 03546  10001
      01121  00000000C0000    00010         CALL    .FWRD.(.UN06.,RCDA)'2048'
      01121  0074 00 4 10400  10011
      01122  1 00002 0 00404  10011
      01123  0 27051 0 04000  10000
      01124  0 00C00 0 14000  10011
      01125  0 00C00 0 03124  10001
      01126  0500 00 0 03342  10001         CLA     LEVCT
      01127  0074 00 4 14400  10011         TSX     .FCNV.,4
      01130  0500 00 0 03546  10001         CLA     AAA
      01131  0074 00 4 14400  10011         TSX     .FCNV.,4
      01132  0000C0000000     00010         CALL    .FFIL.'2048'
      01132  0074 00 4 05400  10011
      01133  1 00C00 0 00402  10011
      01134  0 27051 0 04000  10000
      01135  0020 00 0 00657  10001         TRA     ZITER                START LEVEL AGAIN
      01136  0500 00 0 03612  10001  SAT    CLA     =0377777777777
      01137  0020 00 0 01076  10001         TRA     NEW
BINARY CARD ID. NETSIM38
      01140  20000000001      00001  DP2    BSS     1
      01141  20000000001      00001  HHOLD  BSS     1
      01142  20000000001      00001  SHT    BSS     1
      01143  740301306046     10000  SHFOTP BCI     7,(31H OUTPUT OF COMPONENT TO LARGE =,F9.4)
      01144  646347646360     10000
      01145  462660234644     10000
      01146  474645254563     10000
      01147  606346604321     10000
      01150  512725601373     10000
      01151  261133043460     10000
      01152  740204306031     10000  ADOUTP BCI     6,(24H IVAL+SVAL IS TO LARGE =,F9.4)
      01153  652143206765     10000
      01154  214360316260     10000
      01155  634660432151     10000
      01156  272560137326     10000
      01157  113304346060     10000
      01160  0 00C00 0 00000  10000  HOLD   PZF     0
                                      *  OUTUT IS  NOW STABLE-TEST FOR RANGE
      01161  0057 00  000002  10000  STABL  RIR     2                    RESET BIT FOR I-COMPUTE             LNK40421
      01162  0760 00 0 00016  10000         LMTM                                                             LNK40422
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BINARY CARD ID. NETSIM39
      01163  0604 00 0 03554  10001          STI     INDICT
      01164  0560 00 1 30064  10000          LDQ     ESUM,1          GET RANGE OF                    LNK40421
      01165  0200 00 0 03322  10001          MPY     TENTH           PERMISSIBLE OUTPUT              LNK40422
      01166  0601 00 0 03353  10001          STO     TEMP                                            LNK40423
      01167  0500 00 1 30064  10000          CLA     ESUM,1          (ESUM-OSUM) 424
      01170  0402 00 0 03334  10001          SUB     OSUM            GET DIFFERENCE 425
      01171  4340 00 0 03353  10001          LAS     TEMP            IS OUTPUT IN RANGE              LNK40426
      01172  0020 00 0 01175  10001          TRA     AJUST           NO-ADJUST BIAS                  LNK40427
      01173  0020 00 0 01577  10001          TRA     ACEPT           YES                             LNK40428
      01174  0020 00 0 01577  10001          TRA     ACEPT           YES                             LNK40429
      01175  0441 00 0 01524  10001  AJUST   LDI     BCONTL          BIAS  CONTROL WORD
      01176  0601 00 0 01534  10001          STO     DIFF2B
      01177  0054 00  000004  10000          RFT     4
      01200  0020 00 0 01310  10001          TRA     ITERM
      01201  0054 00  000002  10000          RFT     2
      01202  0020 00 0 01244  10001          TRA     AJUST2
      01203  0054 00  000001  10000          RFT     1
      01204  0020 00 0 01227  10001          TRA     AJUS11
      01205  0601 00 0 01533  10001  AJUSTO STO     DIFF1B          (OSUM-ESUM)

BINARY CARD ID. NETSIM40
      01206  0131 00 0 00000  10000          XCA
      01207  4754 00 0 00000  10000          PXD     0,0
      01210  0221 00 0 03343  10001          DVP     COMCT           = OF COMPONENTS THIS LEVEL - B(6)
      01211  0131 00 0 00000  10000          XCA
      01212  0560 00 0 01533  10001          LDQ     DIFF1B          ATTACH SIGN FOR CHANGE
      01213  0763 00 0 00000  10000          LLS     0
      01214  0771 00 0 00003  10000          ARS     3               B(6) TO B(9)
      01215  0761 00 0 00000  10000  REVER1  NOP                     CHS INSERTED IF(OSUM2-OSUM1) SIGN DIFFEREN
      01216  0601 00 0 01530  10001          STO     DB1             FROM SIGN GIVIEN TO DBIAS
      01217  0400 00 1 30063  10000          ADD     BIAS,1          BIAS=0,EXCEPT WHEN OVERFLOW OF OSUM HAS CH
      01220  0601 00 1 30063  10000          STO     BIAS,1
      01221  0055 00  000001  10000          SIR     1               BIAS CONTROL-SIGNALS AJUST 1 FOR NEXT AJUS
      01222  0604 00 0 01524  10001          STI     BCONTL
      01223  0500 00 0 03334  10001          CLA     OSUM
      01224  0601 00 0 01525  10001          STO     OSUM1           BASE OSUM FOR TESTING IN LATER AJUSTMENTS
      01225  0500 00 1 30063  10000          CLA     BIAS,1
      01226  0020 00 0 01535  10001          TRA     AJ2             RETURN
      01227  0601 00 0 01534  10001  AJUST1 STO     DIFF2B          B6
      01230  0500 00 0 03334  10001          CLA     OSUM            TEST TO SEE IF DB HAS SAME DIRECTION

BINARY CARD ID. NETSIM41
      01231  0340 00 0 01525  10001          CAS     OSUM1           COMPARE FOR SAME
      01232  0020 00 0 00402  10011          TRA     **2
      01233  0020 00 0 01476  10001          TRA     01EQ02          THE SAME --- OUTPUTS SATURATED
      01234  0402 00 0 01525  10001          SUB     OSUM1           OF CHANGE AS DOSUM. IF NOT SIGN
      01235  0601 00 0 01531  10001          STO     DOSUM           ATTACHMENT INSTR FOR DB WILL BE REVERSED.
      01236  0560 00 0 01533  10001          LDQ     DIFF1B          B6
      01237  4120 00 0 00403  10011          TMI     **3
      01240  0162 00 0 00403  10011          TQP     **3             BOTH PLUS
      01241  0020 00 0 01332  10001          TRA     REVSIN          DIFFER-REVERSE DB SIGN CODING
      01242  0162 00 0 01332  10001          TQP     REVSIN
      01243  0020 00 0 00402  10011          TRA     **2
      01244  0601 00 0 01534  10001  AJUST2 STO     DIFF2B          TEST (OSUM2-ESUM) WITH (OSUM1-ESUM)
      01245  0500 00 0 01534  10001          CLA     DIFF2B          TO SEE IF OSUM2 HAS REACHED OPPOSITE SIDE.
```



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      01246  0560 00 0 01533  10001          LDQ     DIFF1B
      01247  4120 00 0 00403  10011          TMI     **3
      01250  0162 00 0 00403  10011          TQP     **3             SAME SIGN-OSUM2 MUST BE FURTHER CHANGED
      01251  0020 00 0 01302  10001          TRA     AJUST4          BOTH BOUNDRIES ABOUT ESUM FOUND
      01252  0162 00 0 01302  10001          TQP     AJUST4          START ITER. TO REDUCE TO PROPER AMOUNT.
      01253  0500 00 0 01532  10001          CLA     PCENTB

BINARY CARD ID. NETSIM42
      01254  0100 00 0 00403  10011          TZE     **3
      01255  0500 00 0 01530  10001          CLA     DB1
      01256  0020 00 0 01274  10001          TRA     SET2
      01257  4754 00 0 00006  10000          PXD     0,0
      01260  0131 00 0 00000  10000          XCA
      01261  0500 00 0 01531  10001          CLA     DOSUM           AMOUNT OF CHANGE FOR DB USED
      01262  0221 00 0 01533  10001          DVP     DIFF1B          AMOUNT REQUIRED
      01263  0760 00 0 00012  10000          DCT                     PCENT GREATER THAN ONE
      01264  0020 00 0 01511  10001          TRA     LARGE
      01265  4600 00 0 01532  10001          STQ     PCENTB          B0
      01266  0500 00 0 01530  10001          CLA     DB1             B9
      01267  0221 00 0 01532  10001          DVP     PCENTB          B0
      01270  0760 00 0 00012  10000          DCT                     B9-B0=B9(MQ)
      01271  0020 00 0 01320  10001          TRA     SMALCH          OVERFLOW-GREATER THAN B9
      01272  0131 00 0 00000  10000          XCA
      01273  0402 00 0 01530  10001          SUB     DB1
      01274  0601 00 0 01530  10001  SET2   STO     DB1             SAVE DB FOR ITER FOR OSUM OVERFLOW
      01275  0055 00  000002  10000          SIR     2               SET CONTROL FOR AJUST2
      01276  0604 00 0 01524  10001          STI     BCONTL

BINARY CARD ID. NETSIM43
      01277  0400 00 1 30063  10000          ADD     BIAS,1          BIAS=0,EXCEPT WHEN OSUM OVERFLOWS
      01300  0140 00 0 01470  10001          TOV     TOBIG1
      01301  0020 00 0 01535  10001          TRA     AJ2             RETURN
      01302  0500 00 0 01530  10001  AJUST4 CLA     DB1             DB RANGE-ITERATE TO FIND CORRECT VALUE
```

```
01303  0760 00 0 00003  10000          SSP
01304  0601 00 0 01522  10001          STO     RANGE
01305  0055 00  000004  10000          SIR     4              SET CONTROL FOR AJUST4
01306  0604 00 0 01524  10001          STI     BCONTL
01307  0601 00 0 01527  10001          STO     BITER
01310  0500 00 0 01527  10001  ITER4   CLA     BITER
01311  0771 00 0 00001  10000          ARS     1              ITERATE IN 1/2 STEPS IN RANGE OF DB
01312  0560 00 0 01534  10001          LDQ     DIFF2B
01313  0763 00 0 00000  10000          LLS     0
01314  0761 00 0 00000  10000  REVER2  NOP                     CHS INSERTED IF DB CHANGES INVERSELY
01315  0601 00 0 01527  10001          STO     BITER
01316  0400 00 1 30063  10000          ADD     BIAS,1         TO DOSUM.
01317  0020 00 0 01535  10001          TRA     AJ2
01320  0765 00 0 00000  10000  SMALCH  LRS     0             SAVE SIGN
01321  0054 00  000002  10000          RFT     2

BINARY CARD ID. NETSIM44
01322  0020 00 0 01326  10001          TRA     SMALC2         ON
01323  0500 00 0 03613  10001          CLA     =0010000000000 SET DB=/128/, B(9)
01324  0763 00 0 00000  10000          LLS     0              ATTACH SIGN OF DB
01325  0020 00 0 01274  10001          TRA     SET2           SAVE FOR NEXT INCREASE
01326  0500 00 0 01530  10001  SMALC2  CLA     DB1            TRUE BIAS VALUE
01327  0400 00 1 30063  10000          ADD     BIAS,1         DOUBLE DB1
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01330  0140 00 0 01470  10001          TOV     TOBIG1
01331  0020 00 0 01535  10001          TRA     AJ2
01332  0500 00 0 01523  10001  REVSIN  CLA     CHGSIN
01333  0054 00  000010  10000          RFT     10
01334  0500 00 0 00526  10001          CLA     NOPP
01335  0601 00 0 01215  10001          STO     REVER1
01336  0601 00 0 01314  10001          STO     REVER2
01337  0054 00  000010  10000          RFT     10
01340  0020 00 0 01351  10001          TRA     RESET
01341  0055 00  000010  10000          SIR     10
01342  0604 00 0 01524  10001          STI     BCONTL
01343  0500 00 0 01530  10001          CLA     DB1
01344  0760 00 0 00002  10000          CHS

BINARY CARD ID. NETSIM45
01345  0601 00 0 01530  10001          STO     DB1
01346  0767 00 0 00001  10000          ALS     1
01347  0400 00 1 30063  10000          ADD     BIAS,1
01350  0020 00 0 01535  10001          TRA     AJ2
01351  0057 00  000010  10000  RESET   RIR     10             ITERATE  BETWEEN /2*DB1/
01352  0604 00 0 01524  10001          STI     BCONTL
01353  0500 00 0 01530  10001          CLA     DB1
01354  0760 00 0 00002  10000          CHS
01355  0400 00 1 30063  10000          ADD     BIAS,1
01356  0601 00 1 30063  10000          STO     BIAS,1
01357  0500 00 0 01530  10001          CLA     DB1
01360  0760 00 0 00002  10000          CHS
01361  0771 00 0 00001  10000          ARS     1
01362  0601 00 0 01530  10001          STO     DB1
01363  0400 00 1 30063  10000          ADD     BIAS,1
01364  0020 00 0 01535  10001          TRA     AJ2
01365  0441 00 0 01524  10001  ITER    LDI     BCONTL
01366  0601 00 0 01534  10001          STO     DIFF2B         SAVE SIGN OF DSUM
01367  0054 00  000004  10000          RFT     4

BINARY CARD ID. NETSIM46
01370  0020 00 0 01310  10001          TRA     ITER4          REDUCE LAST DB BY HALF
01371  0054 00  000002  10000          RFT     2
01372  0020 00 0 01403  10001          TRA     ITER2
01373  0056 00  000001  10000          RNT     1
01374  0020 00 0 01413  10001          TRA     ITER0          AJUST HAS NOT BEEN CALLED YET
01375  0402 00 0 01525  10001  ITER1   SUB     DSUM1          OVERFLOW AFTER 1ST PASS OF AJUST
01376  0560 00 0 01533  10001          LDQ     DIFF1B         TEST FOR CORRECT DIRECTION OF CHANGE
01377  4120 00 0 00403  10011          TMI     *+3
01400  0162 00 0 00403  10011          TQP     *+3            BOTH POSITIVE-OK
01401  0020 00 0 01332  10001          TRA     REVSIN         DB1 SIGN WRONG-CHANGE SIGN T
01402  0162 00 0 01332  10001          TQP     REVSIN
01403  0500 00 0 01530  10001  ITER2   CLA     DB1            REDUCE DB1 BY HALF
01404  0771 00 0 00001  10000          ARS     1
01405  0601 00 0 01530  10001          STO     DB1
01406  0402 00 1 30063  10000          SUB     BIAS,1         ADJUST BIAS TO REPRESENT     DB1/2
01407  0760 00 0 00002  10000          CHS                    PLUS INITIAL BIAS=BIAS-DB1
01410  0055 00  000002  10000          SIR     2
01411  0604 00 0 01524  10001          STI     BCONTL
01412  0020 00 0 01535  10001          TRA     AJ2
```



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BINARY CARD ID. NETSIM47
01413  0601 00 0 01525  10001  ITER0   STO     DSUM1          SAVE SIGN OF DSUM OVERFLOW
01414  0500 00 1 30063  10000          CLA     BIAS,1
01415  4100 00 0 01433  10001          TNZ     ITER01         1ST BIAS CHANGE THIS LEVEL
01416  0500 00 0 03343  10001          CLA     COMCT          * COMPONENTS THIS OVERFLOW
01417  0601 00 0 01526  10001          STO     COMCT1         B(0)
01420  0500 00 0 03614  10001          CLA     =0377400000000 B(9)
01421  0131 00 0 00000  10000          XCA
01422  4754 00 0 00000  10000          PXD     0,0
01423  0221 00 0 01526  10001          DVP     COMCT1         H(9)-H(0)=B(9),MQ
01424  0763 00 0 00003  10000          LLS     3              H(6)
01425  0131 00 0 00000  10000          XCA
01426  0560 00 0 01525  10001          LDQ     DSUM1
```

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01427  0763 00 0 00000  10000          LLS     0
01430  0760 00 0 00002  10000          CHS
01431  0601 00 0 01530  10001          STO     DB1
01432  0020 00 0 01535  10001          TRA     AJ2
01433  0500 00 0 03334  10001  ITERO1 CLA     OSUM            MORE OVERFLOW
01434  0560 00 0 01525  10001          LDQ     OSUM1           TEST FOR SIGN CHANGE IN OVERFLOW
01435  4120 00 0 00403  10011          TMI     *+3

BINARY CARD ID. NETSIM48
01436  0162 00 0 00403  10011          TQP     *+3             SAME SIGN
01437  0020 00 0 01451  10001          TRA     TOBIG           REDUCE DB1-DIFFERENT SIGNS
01440  0162 00 0 01451  10001          TQP     TOBIG
01441  0500 00 0 03343  10001          CLA     COMCT           SAME SIGN-COMPARE * COMP. IN SUM
01442  0340 00 0 01526  10001          CAS     COMCT1          TEST FOR DIRECTION OF CHANGE
01443  0020 00 0 01457  10001          TRA     REVS            WRONG-REVERSE SIGN OF DB1
01444  0020 00 0 01457  10001          TRA     REVS            UNDECIDED-TRY REVERSED SIGN
01445  0500 00 0 01530  10001          CLA     DB1             OK-MAKE DB1 LARGER
01446  0400 00 1 30063  10000          ADD     BIAS,1
01447  0140 00 0 01464  10001          TOV     BSAT
01450  0020 00 0 01535  10001          TRA     AJ2
01451  0500 00 0 01530  10001  TOBIG  CLA     DB1
01452  0771 00 0 00001  10000          ARS     1               REDUCE DB1 BY HALF
01453  0601 00 0 01530  10001          STO     DB1
01454  0402 00 1 30063  10000          SUB     BIAS,1          REDUCE BIAS BY HALF DB1
01455  0760 00 0 00002  10000          CHS
01456  0020 00 0 01535  10001          TRA     AJ2
01457  0500 00 0 01530  10001  REVS   CLA     DB1             CHANGE SIGN OF DB1 AND
01460  0771 00 0 00001  10000          ARS     1               INCREASE THE BIAS BY TWO DB1

BINARY CARD ID. NETSIM49
01461  0400 00 0 01530  10001          ADD     DB1
01462  0601 00 0 01530  10001          STO     DB1
01463  0020 00 0 01332  10001          TRA     REVSIN
01464  0131 00 0 00000  10000  BSAT   XCA
01465  0500 00 0 03614  10001          CLA     =0377400000000
01466  0763 00 0 00000  10000          LLS     0
01467  0020 00 0 01535  10001          TRA     AJ2
01470  0500 00 0 01530  10001  TOBIG1 CLA     DB1
01471  0771 00 0 00001  10000          ARS     1
01472  0601 00 0 01530  10001          STO     DB1
01473  0400 00 1 30063  10000          ADD     BIAS,1
01474  0140 00 0 01470  10001          TOV     TOBIG1
01475  0020 00 0 01535  10001          TRA     AJ2
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01476  0500 00 0 01530  10001  O1EQO2 CLA     DB1
01477  0767 00 0 00001  10000          ALS     1
01500  0601 00 0 01530  10001          STO     DB1
01501  0400 00 1 30063  10000          ADD     BIAS,1
01502  0140 00 0 01504  10001          TOV     TOBIG2
01503  0020 00 0 01535  10001          TRA     AJ2

BINARY CARD ID. NETSIM50
01504  0500 00 0 03615  10001  TOBIG2 CLA     =0377700000000
01505  0560 00 0 01530  10001          LDQ     DB1
01506  0763 00 0 00000  10000          LLS     0
01507  0601 00 0 01530  10001          STO     DB1
01510  0020 00 0 01535  10001          TRA     AJ2
01511  000000000000     00010  LARGE  CALL    .FWRD.(.UN06.,BBIAS)
01511  0074 00 4 10400  10011
01512  1 00002 0 00404  10011
01513  0 27051 0 01504  10000
01514  0 00000 0 14000  10011
01515  0 00000 0 03163  10001
01516  000000000000     00010          CALL    .FFIL.
01516  0074 00 4 05400  10011
01517  1 00000 0 00402  10011
01520  0 27051 0 01505  10000
01521  0020 00 0 01401  10011          TRA     NETSIM+1
01522  0 00000 0 00000  10000  RANGE  PZE     0
01523  0760 00 0 00002  10000  CHGSIN CHS
01524  0 00000 0 00000  10000  BCONTL PZE     0

BINARY CARD ID. NETSIM51
01525  0 00000 0 00000  10000  OSUM1  PZE     0
01526  0 00000 0 00000  10000  COMCT1 PZE     0
01527  0 00000 0 00000  10000  RITER  PZE     0
01530  0 00000 0 00000  10000  DB1    PZE     0
01531  0 00000 0 00000  10000  DOSUM  PZE     0
01532  0 00000 0 00000  10000  PCENTB PZE     0
01533  0 00000 0 00000  10000  DIFF1B PZE     0
01534  0 00000 0 00000  10000  DIFF2B PZE     0
01535  0601 00 1 30063  10000  A      STO     BIAS,1
01536  0601 00 0 03546  10001          STO     AAA                                          LNK40446
01537  0441 00 0 03554  10001          LDI     INDICT          RESET FOR I-COMPUTED BECAUSE OF CALL TO
01540  0057 00  000002  10000          RIR     2               ADJUST BYPASSING  STABLE **
01541  0604 00 0 03554  10001          STI     INDICT
01542  0500 00 0 00541  10001          CLA     BIASCH          INCREMENT BIAS CHANGE COUNTER
01543  0400 00 0 03324  10001          ADD     ONE
01544  0601 00 0 00541  10001          STO     BIASCH
01545  0500 00 0 03355  10001          CLA     OLDMS                   USE ORIGINAL MS      LNK40447
01546  0601 00 1 30055  10000          STO     MS,1                                         LNK40448
01547  0500 00 0 03200  10001          CLA     KEYS            TEST FOR BIAS CHANGE PRINTOUT

BINARY CARD ID. NETSIM52
01550  4320 00 0 00563  10001          ANA     K20             KEY 20 -- YES IF A ONE BIT
01551  0100 00 0 00657  10001          TZE     ZITER
01552  000000000000     00010  AJ3    CALL    BTOF(AAA,*9,AAA)
01552  0074 00 4 03400  10011
01553  1 00003 0 00405  10011
01554  0 27051 0 01537  10000
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01555  0 00000 0 03546  10001
01556  0 00000 0 03616  10001
01557  0 00000 0 03546  10001
01560  000000000000     00010          CALL    .FWRD.(.UN06.,BCDB)'2091'                          LNK40450
01560  0074 00 4 10400  10011
01561  1 00002 0 00404  10011
01562  0 27051 0 04053  10000
01563  0 00000 0 14000  10011
01564  0 00000 0 03145  10001
01565  0500 00 0 03342  10001          CLA     LEVCT                                              LNK40451
01566  0074 00 4 14400  10011          TSX     .FCNV.,4                                           LNK40452
01567  0500 00 0 03546  10001          CLA     AAA                                                LNK40453
01570  0074 00 4 14400  10011          TSX     .FCNV.,4                                           LNK40454

BINARY CARD ID. NETSIM53
01571  0500 00 0 01524  10001          CLA     BCONTL
01572  0074 00 4 14400  10011          TSX     .FCNV.,4
01573  000000000000     00010          CALL    .FFIL.'2091'                                       LNK40455
01573  0074 60 4 05400  10011
01574  1 00000 0 00402  10011
01575  0 27051 0 04053  10000
01576  0020 00 0 00657  10001          TRA     ZITER                   RE-COMPUTE LEVEL           LNK40456
                                 *  OUTUT FROOM LEVEL IS ACCEPTABLE                                LNK40457
01577  0534 00 1 00726  10001  ACEPT  LXA     LEVI,1                  GET LEVEL NUMBER           LNK40458
01600  0600 00 0 01532  10001          STZ     PCENTB
01601  0600 00 0 01524  10001          STZ     BCONTL
01602  0560 00 1 30066  10000          LDQ     OVAL,1                                             LNK40459
01603  4773 00 0 00022  10000          RQL     18                                                 LNK40460
01604  4500 00 1 30065  10000          CAL     OFLIP,1                                            LNK40461
01605  4765 00 0 00022  10000          LGR     18                                                 LNK40462
01606  0621 00 1 30066  10000          STA     OVAL,1                  PUT NEW OUTPUT INDEX INTO OVAL  LNK40463
01607  4600 00 1 30065  10000          STQ     OFLIP,1                 OLD OVAL INDEX INTO FLIPFLOP LNK40464
01610  0074 00 4 02607  10001          TSX     PRINT,4                                            LNK40465
                                 *  PRIT OUTPPUT FROM LEVEL                                        LNK40466
01611  0500 00 2 30303  10000          CLA     NEXT,2                  CHECK FOR LAST LEVEL       LNK40467
01612  0100 00 0 01620  10001          TZE     ULTIM                   YES                        LNK40468

BINARY CARD ID. NETSIM54
01613  0634 00 2 00660  10001          SXA     LEVIR,2                 SAVE BEGINNING OF NEW LEVEL LNK40469
01614  0500 00 0 03324  10001          CLA     ONE                     INCREMENT NEW LEVEL NO FOR PRINT LNK40470
01615  0400 00 0 03342  10001          ADD     LEVCT                                              LNK40471
01616  0601 00 0 03342  10001          STO     LEVCT                                              LNK40472
01617  1 77766 1 00651  10001          TXI     SAVEM,1,-10             INCREMENT LEVEL AND        LNK40473
                                 *                                BEGIN NEW ONE                   LNK40474
                                 *  CONOLIDATTE OUTPUT INTO SMALLER STRING                         LNK40475
01620  0500 00 1 30066  10000  ULTIM CLA     OVAL,1                                             LNK40476
01621  0737 00 1 00000  10000          PAC     0,1                     LOAD PROPER OUTPUT WORD    LNK40477
01622  0441 00 0 03554  10001          LDI     INDICT
01623  0057 00  000100 10000          RIR     100
01624  0055 00  000200 10000          SIR     200             STRING SUMMING-QATWO TOV SIGNAL
01625  0604 00 0 03554  10001          STI     INDICT
01626  0535 00 2 00660  10001          LAC     LEVIR,2                                            LNK40478
01627  0754 00 2 00000  10000          PXA     0,2                     INDEX OF FIRST COMP IN ADDR LNK40479
01630  0400 00 0 03327  10001          ADD     2NEXT                   ADDRESS OF FIRST COMP IN ADDR LNK40480
01631  0774 00 2 00000  10000          AXT     0,2                     INITIALIZE STRING INDEX    LNK40481
01632  0600 00 2 03362  10001  ELTS   STZ     STRING,2                SET NEW STRING ELEMENT TO ZERO LNK40482
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01633  0534 00 4 03337  10001          LXA     M,4                     INDEX FOR M COMPONENTS     LNK40483
01634  0621 00 0 01636  10001  NEWAD  STA     ADELT                   STORE ADDRESS OF           LNK40484
01635  0621 00 0 01645  10001          STA     NELT                    NEXT COMPONENT             LNK40485

BINARY CARD ID. NETSIM55
01636  0500 00 1 30303  10000  ADELT  CLA     NEXT,1                  ADD OUTPUT OF M COMPS      LNK40486
                    01637              QATWO   STRING,2                                           LNK40487
01644  0601 00 2 03362  10001          STO     STRING,2                                           LNK40488
01645  0500 60 0 30303  10000  NELT   CLA*    NEXT                    GET NEXT ELEMENT           LNK40489
01646  0100 00 0 01652  10001          TZE     SMALL                   END OF OUTPUT              LNK40490
01647  0500 60 0 01645  10001          CLA*    NELT                    GET ADDRESS OF ONEXT COMPONENT LNK40491
01650  2 00001 4 01634  10001          TIX     NEWAD,4,1               ADD NEXT ELEMENT           LNK40492
01651  1 77777 2 01632  10001          TXI     ELTS,2,-1               INDEX TO NEXT OUTPUT ELEMENT LNK40493
                                 *  DECSION PPROCEDURE FOR FIX-FORGETS                             LNK40494
01652  0600 00 0 03354  10001  SMALL  STZ     CMSUM                   SET COMPARISON SUM EQUAL TO ZERO LNK40495
01653  0441 00 0 03554  10001          LDI     INDICT
01654  0054 00  000400 10000          RFT     400                                                LNK40496
01655  0020 00 0 01715  10001          TRA     MSHEND+1                                           LNK40497
01656  0634 00 1 01714  10001          SXA     MSHEND,1                                           LNK40498
01657  0774 00 1 00000  10000          AXT     0,1                                                LNK40499
01660  0600 00 0 03433  10001          STZ     MSHCTR                                             LNK40500

BINARY CARD ID. NETSIM56
01661  1 77777 2 00401  10011          TXI     *+1,2,-1                                           LNK40501
01662  4634 00 2 01713  10001          SXD     MISH2,2                                            LNK40502
01663  0500 00 0 03433  10001  MSHLP  CLA     MSHCTR                                             LNK40503
01664  0400 00 0 03324  10001          ADD     ONE                                                LNK40504
01665  0601 00 0 03433  10001          STO     MSHCTR                                             LNK40505
01666  0500 00 1 03362  10001          CLA     STRING,1                                           LNK40506
01667  0601 00 0 03546  10001          STO     AAA                                                LNK40507
01670  000000000000     00010          CALL    BTOF(AAA,=6,AAA)'2151'                             40508
01670  0074 00 4 03400  10011
01671  1 00003 0 00405  10011
01672  0 27051 0 04147  10000
01673  0 00000 0 03546  10001
01674  0 00000 0 03617  10001
01675  0 00000 0 03546  10001
01676  000000000000     00010          CALL    .FWRD.(.UN06.,MISHL)'2151'                         LNK40509
01676  0074 00 4 10400  10011
01677  1 00002 0 00404  10011
01700  0 27051 0 04147  10000
01701  0 00000 0 14000  10011
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BINARY CARD ID. NETSIM57
      01702  0 00000 0 03177  10001
      01703  05CC 00 0 03433  10001          CLA     PSHCTR                                          LNK40510
      01704  0074 00 4 14400  10011          TSX     .FCNV.,4                                        LNK40511
      01705  0500 00 0 03546  10001          CLA     AAA                                             LNK40512
      01706  0074 00 4 14400  10011          TSX     .FCNV.,4                                        LNK40513
      01707  00000000000000   00010          CALL    .FFIL.*2151*                                    LNK40514
      01707  0074 00 4 05400  10011
      01710  1 00000 0 00402  10011
      01711  0 27051 0 04147  10000
      01712  1 77777 1 00401  10011          TXI     **1,1,-1                                        LNK40515
      01713  3 00000 1 01663  11101  *ISH2   TXH     PSHLP,1,**                                      LNK40516
             1 00003 7 00001  11010


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      01714  0774 00 1 00000  10011  PSHEND AXT     *-*,1                                           LNK40517
             1 00001 7 00001  11010
      01715  4634 00 2 01732  10001          SXD     OPEND,2              SET UP LOOP FOR STRING     LNK40518
      01716  0535 00 4 27050  10000          LAC     KEY,4                GET KEY ELEMENT            LNK40519
      01717  1 00001 4 00401  10011          TXI     **1,4,1                                         LNK40520
      01720  0560 00 4 03362  10001          LDQ     STRING,4             FOR COMPARISON             LNK40521
      01721  0660 00 4 03362  10001          STZ     STRING,4                                        LNK40522

BINARY CARD ID. NETSIM58
      01722  0774 00 4 00000  10000          AXT     0,4                  INITIALIZE COMPARISON      LNK40523
      01723  0500 00 4 03362  10001  CMP     CLA     STRING,4             TEST COMPARISON MODE       LNK40524
      01724  0441 00 0 03554  10001          LDI     INDICT
      01725  0054 00  000400  10000          RFT     400                                             LNK40525
      01726  0400 00 0 03354  10001          ADD     CMSUM                SUMMATION MODE-ADD ELTS    LNK40526
      01727  0040 00 0 01754  10001          TLQ     FORGET               TEST FOR FIX OR FORGET     LNK40527
      01730  0601 00 0 03354  10001          STO     CMSUM                                           LNK40528
      01731  1 77777 4 00401  10011          TXI     **1,4,-1                                        LNK40529
      01732  3 00000 4 01723  10001  OPEND   TXH     CMP,4,***            TEST FOR END OF STRING     LNK40530
      01733  00000000000000   00010  FIX     CALL    .FWRD.(.UN06.,BCDC13*2175*                      LNK40531
      01733  0074 00 4 10400  10011
      01734  1 00002 0 00404  10011
      01735  0 27051 0 04177  10000
      01736  0 00000 0 14000  10011
      01737  0 00000 0 03206  10001
      01740  0500 00 0 03240  10001          CLA     OPSNUM
      01741  0400 00 0 03324  10001          ADD     ONE
      01742  0601 00 0 03240  10001          STO     OPSNUM
      01743  0074 00 4 14400  10011          TSX     .FCNV.,4

BINARY CARD ID. NETSIM59
      01744  0500 00 0 27047  10000          CLA     INUM                                            LNK40532
      01745  0074 00 4 14400  10011          TSX     .FCNV.,4                                        LNK40533
      01746  00000000000000   00010          CALL    .FFIL.*2175*                                    LNK40534
      01746  0074 00 4 05400  10011
      01747  1 00000 0 00407  10011
      01750  0 27051 0 04177  10000
      01751  0500 00 0 03332  10001          CLA     FPL                                             LNK40535
      01752  0760 00 0 00147  10000          SLN     2                                               LNK40536
      01753  0020 00 0 01773  10001          TRA     F1                                              LNK40537
      01754  00000000000000   00010  FORGET CALL    .FWRD.(.UN06.,BCDD13*2184*                      LNK40538
      01754  0074 00 4 10400  10011
      01755  1 00002 0 00404  10011
      01756  0 27051 0 04210  10000
      01757  0 00000 0 14000  10011
      01760  0 00000 0 03220  10001
      01761  0500 00 0 03240  10001          CLA     OPSNUM
      01762  0400 00 0 03324  10001          ADD     ONE
      01763  0601 00 0 03240  10001          STO     OPSNUM
      01764  0074 00 4 14400  10011          TSX     .FCNV.,4

BINARY CARD ID. NETSIM60
      01765  0500 00 0 27047  10000          CLA     INUM                                            LNK40539
      01766  0074 00 4 14400  10011          TSX     .FCNV.,4                                        LNK40540
      01767  00000000000000   00010          CALL    .FFIL.*2184*                                    LNK40541
      01767  0074 00 4 05400  10011
      01770  1 00000 0 00402  10011


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      01771  0 27051 0 04210  10000
      01772  0500 00 0 03333  10001          CLA     FPIN                                            LNK40542
      01773  0621 00 0 02020  10001  F1      STA     FG2                                             LNK40543
      01774  0500 00 0 03200  10001          CLA     KEYS         TEST FOR G-WT CHANGE
      01775  0771 00 0 00004  10000          ARS     4                                               LNK40546
      01776  4320 00 0 03324  10001          ANA     ONE                                             LNK40547
      01777  4100 00 0 00216  10001          TNZ     SCHED                                           LNK40548
      02000  0774 00 1 00000  10000          AXT     0,1                  GET FIRST LEVEL            LNK40549
      02001  0441 00 0 03554  10001          LDI     INDICT
      02002  0057 00  000300  10000          RIR     300
      02003  0604 00 0 03554  10001          STI     INDICT       GSUM-TOV SIGNAL
      02004  0500 00 0 03330  10001          CLA     INEXT                INITIALIZE NETWORK ADDRESS  LNK40550
      02005  0601 00 0 03331  10001          STO     NTAG2                                           LNK40551
      02006  0500 00 0 03610  10001          CLA     *1
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BINARY CARD ID. NETSIM61
        02007  0601 00 0 02475  10001          STO     STRINO        INITIALIZE STRING COUNTER
        02010  0500 00 0 03545  10001          CLA     NULEVS        INITIALIZE LEVEL COUNTER
        02011  0402 00 0 03610  10001          SUB     =1
        02012  0734 00 4 00000  10000          PAX     0,4
        02013  0100 00 0 02476  10001          TZE     ONELEV
        02014  0634 00 4 02501  10001          SXA     LVCNTR,4      SAVE LEVEL COUNTER
        02015  0500 00 1 30066  10000  DG0     CLA     OVAL,1                GET LOCATION OF OUTPUT          LNK40552
        02016  0621 00 0 02017  10001          STA     DG1                   FOR THIS LEVEL                  LNK40553
        02017  4774 00 2 00000  10000  DG1     AXC     **0,2                 GET OUTPUT INDEX                LNK40554
        02020  0560 00 1 00000  10000  DG2     LDQ     **0,1                 GET    ALUE (+OR-)              LNK40555
                               02021           QMPYC   NTAG2,0                                             LNK40556
        02025  0601 00 0 03356  10001          STO     FACT                                                LNK40557
        02026  0774 00 4 00004  10000          AXT     4,4                                                 LNK40558
        02027  0634 00 4 03347  10001          SXA     GSET,4                SET UP LOOPS FOR 4 G-SETS       LNK40559
        02030  4774 00 2 00013  10000          AXC     11,2                                                LNK40560
        02031  0500 60 0 03331  10001          CLA*    NTAG2                                               LNK40561

BINARY CARD ID. NETSIM62
        02032  4734 00 4 00000  10000          PDX     0,4                                                 LNK40562
        02033  0634 00 4 02204  10001          SXA     NOPRI,4               SAVE NO. OF PRIMARY LINES(Y)    LNK40563
        02034  0734 00 4 00000  10000          PAX     0,4                                                 LNK40565
        02035  0634 00 4 02067  10001          SXA     DG3.5,4               SAVE NO. OF STATE LINES(X)      LNK40566
        02036  0634 00 4 03360  10001          SXA     N,4                   SAVE X FOR DIVISION             LNK40568
        02037  0634 00 1 03341  10001          SXA     LEVNO,1               SAVE LEVEL NUMBER               LNK40569
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                                       *  CALULATIOON OF MEAN OF INPUT                                    LNK40571
        02040  0500 00 1 30066  10000          CLA     OVAL,1                                              LNK40572
        02041  0737 00 1 00000  10000          PAC     0,1                   INDEX FOR DIRECT EFF. ADDR.     LNK40573
        02042  4774 00 2 00014  10000          AXC     12,2                  GET INDEX OF 1ST INPUT LINE     LNK40574
        02043  0634 00 2 02070  10001          SXA     DG3.6,2               SAVE FOR FURTHER USE            LNK40575
        02044  3 00000 4 02050  10001          TXH     DG3-1,4,0             TEST FOR ZERO STATE LINES       LNK40576
        02045  0774 00 4 00002  10000          AXT     2,4                   YES- SET UP LOOP FOR            LNK40577
        02046  0634 00 4 03347  10001          SXA     GSET,4                2 PRIMARY GSETS                 LNK40578
        02047  0020 00 0 02170  10001          TRA     DC                                                  LNK40579
        02050  0600 00 0 03335  10001          STZ     TSUM                  INITIALIZE SUM                  LNK40580
        02051  0500 60 2 30303  10000  DG3     CLA*    NEXT,2                ADD INPUTS                      LNK40581
        02052  0140 00 0 00401  10011          TOV     *+1                                                 LNK40582
        02053  0771 00 0 00006  10000          ARS     6                                                   LNK40583
        02054  4625 00 0 03432  10001          STL     OFLOC                                               LNK40584

BINARY CARD ID. NETSIM63
        02055  0400 00 0 03335  10001          ADD     TSUM,0                                              LNK40585
        02056  0140 00 0 02557  10001          TOV     OFLOW                                               LNK40586
        02057  0601 00 0 03335  10001          STO     TSUM                                                LNK40587
        02060  1 77777 2 00401  10011          TXI     *+1,2,-1                                            LNK40588
        02061  2 00001 4 02051  10001          TIX     DG3,4,1                                             LNK40589
        02062  0131 00 0 00000  10000          XCA                                                         LNK40590
        02063  4754 00 0 00000  10000          PXD     0,0                   CLEAR AC FOR DIVISION           LNK40591
        02064  0220 00 0 03360  10001          DVH     N                     348-835=813                     LNK40592
        02065  0763 00 0 00006  10000          LLS     6                                                   LNK40593
        02066  4600 00 0 03361  10001          STQ     MEAN                  MEAN OF INPUTS                  LNK40594
                                       *  CALULATE  DG S                                                   LNK40595
        02067  0774 00 4 00000  10000  DG3.5   AXT     **0,4                 NUMBER OF INPUT LINES           LNK40596
        02070  0774 00 2 00000  10000  DG3.6   AXT     **0,2                 INDEX OF NEXT INPUT LINE        LNK40597
        02071  0600 00 0 03357  10001          STZ     GSUM                  INITIALIZE SUM OF G-WEIGHTS     LNK40598
        02072  0500 60 2 30303  10000  DG4     CLA*    NEXT,2                GET NEXT INPUT                  LNK40599
        02073  0402 00 0 03361  10001          SUB     MEAN                  (X-MEAN)                        LNK40600
        02074  0131 00 0 00000  10000          XCA                                                         LNK40601
                               02075           QMPYF   DT,0                                                LNK40602

BINARY CARD ID. NETSIM64
        02101  0131 00 0 00000  10000          XCA                                                         LNK40603
        02102  0140 00 0 00401  10011          TOV     *+1                                                 LNK40604
        02103  4625 00 0 03432  10001          STL     OFLOC                                               LNK40605
        02104  0200 00 0 03356  10001          MPY     FACT,0                                              LNK40606
        02105  0763 00 0 00001  10000          LLS     1                                                   LNK40607
        02106  0140 00 0 02557  10001          TOV     OFLOW                                               LNK40608
                               02107           QADDD   NTAG2,0                                             LNK40609

BINARY CARD ID. NETSIM65
        02126  0131 00 0 00000  10000          XCA                                                         LNK40610
        02127  4620 60 0 03331  10001          SLQ*    NTAG2                 STORE NEW G-WEIGHT              LNK40611
        02130  0131 00 0 00000  10000          XCA                                                         LNK40612
        02131  0760 00 0 00003  10000          SSP                                                         LNK40613
        02132  0441 00 0 03554  10001          LDI     INDIRT
        02133  0054 00  001000  10000          RFT     1000
        02134  0074 00 7 02354  10001          TSX     SOGWT,7
                               02135           QATWO   GSUM,0                ADD TO SUM OF G-WEIGHTS         LNK40614
        02142  0601 00 0 03357  10001          STO     GSUM                                                LNK40615
        02143  1 77777 2 00401  10011          TXI     *+1,2,-1                                            LNK40616
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02144  0500 60 0 03331  10001          CLA*    NTAG2                  CHECK FOR NEG. G-SET              LNK40617
02145  0441 00 0 03554  10001          LDI     INDICT

BINARY CARD ID. NETSIM66
02146  0054 00  002000  10000          RFT     2000                                                     LNK40618
02147  0020 00 0 00402  10011          TRA     *+2                    ON- DO NOT TEST                   LNK40619
02150  4120 00 0 02153  10001          TMI     DIFF1                  OFF-TEST                          LNK40620
02151  2 00001 4 02072  10001          TIX     DG4,4,1                GET NEXT INPUT LINE               LNK40621
02152  0020 00 0 02162  10001          TRA     DIFF2                  END OF STATE (OR PRIMARY) LINE    LNK40622
02153  4625 00 0 02353  10001  DIFF1   STL     NTRA                   END OF POSITIVE G-SET             LNK40623
02154  0020 00 0 02212  10001          TRA     NORM                   NORMALIZE G-WEIGHTS               LNK40624
02155  6 00001 4 02166  10001          TNX     DG5,4,1                TEST FOR END OF X OR Y LINES      LNK40625
02156  0441 00 0 03554  10001          LDI     INDICT
02157  0055 00  002000  10000          SIR     2000                   NO-SET SW FOR NEG G-SET           LNK40626
02160  0604 00 0 03554  10001          STI     INDICT
02161  0020 00 0 02070  10001          TRA     DG3.6                  GET NEXT INPUT LINE               LNK40627
02162  0057 00  002000  10000  DIFF2   RIR     2000                   END OF NEG G-SET                  LNK40628
02163  0604 00 0 03554  10001          STI     INDICT
02164  4625 00 0 02353  10001          STL     NTRA                                                     LNK40629
02165  0020 00 0 02212  10001          TRA     NORM                   NORMALIZE G-WEIGHTS               LNK40630
                                  *  ENDOF X OOR Y LINES                                               LNK40631
02166  0534 00 4 03347  10001  DG5     LXA     GSET,4                 TEST FOR END                      LNK40632
02167  6 00001 4 02436  10001          TNX     ELEND,4,1              OF COMPONENT                      LNK40633
                                  *  PREARE (FFXO)XI FOR PRIMARY INPUT                                 LNK40634
02170  0534 00 1 03341  10001  DG6     LXA     LEVNO,1                LEVEL NUMBER                      LNK40635

BINARY CARD ID. NETSIM67
02171  1 77776 1 00401  10011          TXI     *+1,1,-2               GET INDEX OF F(I)                 LNK40636
02172  0522 00 0 02020  10001          XEC     DG2                    LDQ F(I)                          LNK40637
02173  0522 00 0 02017  10001          XEC     DG1                    GET INDEX OF /                    LNK40638
                        02174          QMPYC   NTAG2,0            FXO                                   LNK40639
02200  0601 00 0 03356  10001          STO     FACT                                                     LNK40640
02201  0534 00 1 03341  10001          LXA     LEVNO,1                LEVEL NUMBER                      LNK40641
02202  0500 00 1 30054  10000          CLA     OVAL-10,1              INDEX FOR OUTPUT OF               LNK40642
02203  0737 00 1 00000  10000          PAC     0,1                    PREVIOUS LEVEL(PRIMARY I/P)       LNK40643
02204  0774 00 4 00000  10000  NOPRI   AXT     **0,4                  NUMBER OF PRIMARY LINES           LNK40644
02205  7 00000 4 02436  10001          TXL     ELEND,4,0              TEST FOR ZERO PRIMARY LINES       LNK40645
02206  0634 00 4 02067  10001          SXA     DG3.5,4                SAVE Y FOR 2ND LOOP               LNK40646
02207  0634 00 4 03360  10001          SXA     N,4                    SAVE Y FOR DIVISION               LNK40647
02210  0522 00 0 02070  10001          XEC     DG3.6                  GET INDEX OF NEXT I/P LINE        LNK40648
02211  0020 00 0 02050  10001          TRA     DG3-1                  PROCESS DG FOR PRIMARY I/P        LNK40649
                                  *  ENDOF A GG-SET. THIS ROUTINE WILL NORMALIZE                       LNK40650
                                  *  THEG-WEIGGHTS IN A G-SET.                                         LNK40651
02212  4634 00 2 02260  10001  NORM    SXD     NORM1,2                SAVE INPUT OF NEXT I/P LINE       LNK40652
02213  4634 00 2 02343  10001          SXD     NORM4,2                                                  LNK40653

BINARY CARD ID. NETSIM68
02214  0534 00 2 03347  10001  NM      LXA     GSET,2                 GET INDEX OF CORREST              LNK40654
02215  1 77770 2 00401  10011          TXI     *+1,2,-8               CONSTANT FOR SUM OF G S           LNK40655
02216  0500 60 0 03331  10001          CLA*    NTAG2                  GET CONSTANT SUM                  LNK40656
02217  0402 00 0 03357  10001          SUB     GSUM                   COMPARE WITH COMPUTED SUM         LNK40657
02220  4340 00 0 03340  10001          LAS     1B18                   IF DIFFERENCE IS SMALL,           LNK40658
02221  0020 00 0 00403  10011          TRA     *+3                    GS ARE NORMALIZED                 LNK40659
02222  0020 00 0 02345  10001          TRA     NORM5                                                    LNK40660
02223  0020 00 0 02345  10001          TRA     NORM5                                                    LNK40661
02224  0601 00 0 03351  10001          STO     DIFF                   STORE DIFFERENCE                  LNK40662
```



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02225  0765 00 0 00000  10000          LRS     0                      SAVA SIGN OF DIFFERENCE           LNK40663
                                  *  COMUTE SUUM OF UNSATURATED G S                                    LNK40664
02226  0522 00 0 02070  10001          XEC     DG3.6                  GET FIRST INPUT LINE OF G-SET     LNK40665
02227  0600 00 0 03357  10001          STZ     GSUM                                                     LNK40666
02230  0600 00 0 02435  10001          STZ     NUGWTS         RESET G COUNTER OFR DG NORM OPERATION
02231  0500 60 0 03331  10001  UNSAT   CLA*    NTAG2                  CHECK G-WT FOR                    LNK40667
02232  4320 00 0 03326  10001          ANA     MASK                   SATURATION                        LNK40668
02233  0340 00 0 30053  10000          CAS     GSAT                                                     LNK40669
02234  0162 00 0 02257  10001          TQP     INCR                   IF DIFF IS +, SATURATED           LNK40670
02235  0162 00 0 02257  10001          TQP     INCR                                                     LNK40671
02236  4100 00 0 00403  10011          TNZ     *+3                    BELOW SAT. VALUE,UNSAT IF NON-ZERO LNK40672

BINARY CARD ID. NETSIM69
02237  0162 00 0 00402  10011          TQP     *+2                    G-WT ZERO, DIFF +, UNSATURATED    LNK40673
02240  0020 00 0 02257  10001          TRA     INCR                   DIFF -, G-WT IS ZERO, SATURATED   LNK40674
02241  0601 00 0 03112  10001          STO     SGWT
02242  0500 00 0 02435  10001          CLA     NUGWTS         COUNT OF GS IN SUM
02243  0400 00 0 03610  10001          ADD     *1
02244  0601 00 0 02435  10001          STO     NUGWTS
02245  0441 00 0 03554  10001          LDI     INDICT
02246  0054 00  001000  10000          RFT     1000
02247  0074 00 7 02354  10001          TSX     SQGWT,7
02250  0500 00 0 03112  10001          CLA     SGWT
                        02251          QATWO   GSUM,0             UNSATURATED--ADD TO SUM               LNK40675
02256  0601 00 0 03357  10001          STO     GSUM                                                     LNK40676
02257  1 77777 2 00401  10011  INCR    TXI     *+1,2,-1                                                 LNK40677
02260  3 00000 2 02231  10001  NORM1   TXH     UNSAT,2,**0                                              LNK40678
02261  0500 00 0 03357  10001          CLA     GSUM                                                     LNK40683

BINARY CARD ID. NETSIM70
02262  0601 00 0 02503  10001          STO     GSUM1
02263  0600 00 0 03357  10001          STZ     GSUM                                                     LNK40685
02264  0522 00 0 02070  10001          XEC     DG3.6                  INDEX OF FIRST I/P LINE           LNK40686
02265  0500 60 0 03331  10001  NORM2   CLA*    NTAG2                                                    LNK40687
02266  4320 00 0 03326  10001          ANA     MASK                                                     LNK40688
02267  0560 00 0 03351  10001          LDQ     DIFF                   GET SIGN OF DIFFERENCE            LNK40689
02270  0340 00 0 30053  10000          CAS     GSAT                   COMPARE WITH SATURATION PT.       LNK40690
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02271  0162 00 0 02334  10001          TQP     NORM3                  SATURATED                          LNK40691
02272  0162 00 0 02334  10001          TQP     NORM3                  SATURATED                          LNK40692
02273  4100 00 0 00403  10011          TNZ     *+3                    UNSAT                              LNK40693
02274  0162 00 0 00402  10011          TQP     *+2                    UNSAT                              LNK40694
02275  0020 00 0 02334  10001          TRA     NORM3                  SAT                                LNK40695
02276  0560 00 0 03323  10001          LDQ     ZERO           UNSATURZTED--ADJUST
02277  0441 00 0 03554  10001          LDI     INDICT
02300  0054 00  001000  10000          RFT     1000
02301  0074 00 7 02365  10001          TSX     DLTSQG,7
02302  0765 00 0 00006  10000          LRS     6              B(7)
02303  0221 00 0 02503  10001          DVP     GSUM1          (B6) ALWAYS GREATER THAN GWT-B(0)
02304  0760 00 0 00012  10000          DCT

BINARY CARD ID. NETSIM71
02305  0074 00 6 02430  10001          TSX     GNG,6
02306  0200 00 0 03351  10001          MPY     DIFF           B(6)*B(0) = B(6)
02307  0763 00 0 00006  10000          LLS     6              B(1)     D-GWT
02310  0401 60 0 03331  10001          ADM*    NTAG2                   ADD INCREMENT                      LNK40698
02311  4140 00 0 00403  10011          TNO     *+3            GWT IS REAL NOT MODULAR
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02312  4120 00 0 02322  10001          TMI     SETOZE
02313  0500 00 0 30053  10000          CLA     GSAT
02314  4120 00 0 02322  10001          TMI     SETOZE
02315  4320 00 0 03326  10001  CONT    ANA     MASK                                                       LNK4 6
02316  0340 00 0 30053  10000          CAS     GSAT                   IS NEW G OVER SATURATED             LNK40700
02317  0500 00 0 30053  10000          CLA     GSAT                   YES-SET TO MAXIMUM                  LNK40701
02320  0020 00 0 00403  10011          TRA     *+3                    EQUAL TO MAX                        LNK40702
02321  0120 00 0 00402  10011          TPL     *+2                    TEST FOR ZERO                       LNK40703
02322  4754 00 0 00000  10000  SETOZE  PXD     0,0
02323  0560 60 0 03331  10001          LDQ*    NTAG2                  RECOVER ORIGINAL SIGN               LNK40705
02324  0763 00 0 00000  10000          LLS     0                                                          LNK40706
02325  0131 00 0 00000  10000          XCA                                                                LNK40707
02326  4620 60 0 03331  10001          SLQ*    NTAG2                  STORE NEW G VALUE                   LNK40708
02327  0131 00 0 00000  10000          XCA                                                                LNK40709

BINARY CARD ID. NETSIM72
02330  0760 00 0 00003  10000          SSP                                                                LNK40710
02331  0441 00 0 03554  10001          LDI     INDICT
02332  0054 00  001000  10000          RFT     1000
02333  0074 00 7 02354  10001          TSX     SQGWT,7
                 02334          NORM3  QATWO   GSUM,0                 ADD TO NEW SUM                     LNK40711
02341  0601 00 0 03357  10001          STO     GSUM                                                       LNK40712
02342  1 77777 2 00401  10011          TXI     *+1,2,-1                                                   LNK40713
02343  3 00000 2 02265  10001  NORM4   TXH     NORM2,2,**0            TEST FOR END OF G-SET               LNK40714
02344  0020 00 0 02214  10001          TRA     NM                     YES-TEST NORMALIZATION              LNK40715
02345  4534 00 2 02260  10001  NORM5   LXD     NORM1,2                                                    LNK40716
02346  0634 00 2 02070  10001          SXA     DG3.6,2                STORE INDEX OF NEXT I/P LINE        LNK40717
02347  0500 00 0 03347  10001          CLA     GSET                   WORK ON NEXT G-SET                  LNK40718
02350  0402 00 0 03324  10001          SUB     ONE                                                        LNK40719
02351  0601 00 0 03347  10001          STO     GSET                                                       LNK40720
02352  4774 00 2 00001  10000          AXC     1,2                                                        LNK40721

BINARY CARD ID. NETSIM73
02353  0020 00 2 00000  10000  NTRA    TRA     **0,2                  RETURN                              LNK40722
02354  0131 00 0 00000  10000  SQGWT   XCA
02355  0200 60 0 03331  10001          MPY*    NTAG2          SQUARE GWEIGHT
02356  0140 00 0 00401  10011          TOV     *+1
02357  0771 00 0 00004  10000          ARS     4              B(2)--B(6)
02360  4625 00 0 03432  10001          STL     OFLOC
02361  0760 00 0 00003  10000          SSP
02362  0400 00 0 03357  10001          ADD     GSUM           B(6)
02363  0140 00 0 02557  10001          TOV     OFLOW
02364  0020 00 7 00006  10000          TRA     6,7
02365  0560 60 0 03331  10001  DLTSQG  LDQ*    NTAG2          B(1)
02366  0200 60 0 03331  10001          MPY*    NTAG2          B(2)   GWEIGHT SQUARED
02367  0601 00 0 03546  10001          STO     AAA            SAVE OLD GWT SQUARED
02370  0765 00 0 00006  10000          LRS     6
02371  0221 00 0 02503  10001          DVP     GSUM1          B(8)/B(6) = B(2)
02372  0760 00 0 00012  10000          DCT
02373  0074 00 6 02430  10001          TSX     GNG,6
02374  0200 00 0 03351  10001          MPY     DIFF           B(6)*B(2)
02375  0763 00 0 00006  10000          LLS     6              B(2)

BINARY CARD ID. NETSIM74
02376  0140 00 0 00401  10011          TOV     *+1
02377  0400 00 0 03546  10001          ADD     AAA            DELTA GWT SQ  + OLD GWT SQ
```



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02400  4625 00 0 03432  10001          STL     OFLOC
02401  0140 00 0 02557  10001          TOV     OFLOW
02402  4120 00 0 02322  10001          TMI     SETOZE
02403  0601 00 0 03546  10001          STO     AAA
02404  0634 00 4 02426  10001          SXA     SAVFOR,4
02405  000000000000    00010          CALL    RTOF(AAA,*2,AAA)     CHAGE TO FLOATINT-POINT
02405  0074 00 4 03400  10011
02406  1 00003 0 00405  10011
02407  0 27051 0 02365  10000
02410  0 00000 0 03546  10001
02411  0 00000 0 03620  10001
02412  0 00000 0 03546  10001
02413  000000000000    00010          CALL    SQRT(AAA)       GET SQUARE ROOT
02413  0074 00 4 11000  10011
02414  1 00001 0 00403  10011
02415  0 27051 0 02366  10000
02416  0 00000 0 03546  10001
```

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BINARY CARD ID. NETSIM75
        02417  0601 00 0 03546  10001          STO     AAA
        02420  000000000000     00010          CALL    HPOINT(AAA,=1)      CHANGE TO BINARY POINT
        02420  0074 00 4 02000  10011
        02421  1 00002 0 00404  10011
        02422  0 27051 0 02370  10000
        02423  0 00000 0 03546  10001
        02424  0 00000 0 03610  10001
        02425  0500 00 0 03546  10001          CLA     AAA            DELTA GWEIGHT
        02426  0774 00 4 00000  10000  SAVFOR  AXT     **,4
        02427  0020 00 0 02315  10001          TRA     CONT         CONTINUE
        02430  4754 00 6 00000  10000  GNG     PXD     0,0
        02431  0560 00 0 03621  10001          LDQ     =0200000000000              18(1)
        02432  0221 00 0 02435  10001          DVP     NUGWTS
        02433  0140 00 0 00401  10011          TOV     **1
        02434  0020 00 6 00001  10000          TRA     1,6
        02435  0 00000 0 00000  10000  NUGWTS  PZE     0
                                       *  DG OPPUTAATIONS FOR A COMPONENT ARE                                    LNK40726
                                       *  FINSHED.  GET NEXT COMPONENT.                                          LNK40727
        02436  0774 00 2 00000  10000  ELEND   AXT     0,2                  GET ADDRESS OF NEXT                   LNK40728
        02437  0500 60 0 03331  10001          CLA*    NTAG2                COMPONENT,INITIALIZE                  LNK40729
        02440  0621 00 0 03331  10001          STA     NTAG2                LOCATION USING IT                     LNK40730

BINARY CARD ID. NETSIM76
        02441  0621 00 0 02051  10001          STA     DG3                                                        LNK40731
        02442  0621 00 0 02072  10001          STA     DG4                                                        LNK40732
        02443  0534 00 1 03341  10001          LXA     LEVNO,1                                                    LNK40733
        02444  0500 60 0 03331  10001          CLA*    NTAG2                TEST FOR END OF LEVEL                 LNK40734
        02445  0441 00 0 03554  10001          LDI     INDICT
        02446  0054 00  004000  10000          RFT     4000          TEST FOR LAST LEVEL OPERATION
        02447  0020 00 0 02504  10001          TRA     NWSTT         YES-GO TO LAST LEVEL CONTROL PROGRAMP
        02450  0120 00 0 02015  10001          TPL     DGO                                                        LNK40735
        02451  0534 00 4 02501  10001          LXA     LVCNTR,4      LEVEL COUNTER
        02452  6 00001 4 02454  10001          TNX     LASLEV,4,1    START LAST LEVEL OPERATION
        02453  1 77766 1 02014  10001          TXI     DGO-1,1,-10   INDEX TO NEXT LEVEL INFORMATION
        02454  0055 00  004000  10000  LASLEV  SIR     4000          NORMALIZE LAST LEVEL
        02455  0604 00 0 03554  10001          STI     INDICT
        02456  1 77766 1 00401  10011          TXI     **1,1,-10     INCREMENT LEVEL INFORMATION INDEX


            NETSIM
        ASSEMBLED TEXT.                                                  11/19/65                          PAGE  32

        02457  0500 00 0 02475  10001  NEXSTR CLA     STRINO        NO. OF COMPONENT GROUP
        02460  0340 00 0 27050  10000          CAS     KEY           NO. OF CONTRIBUTING GROUP
        02461  0020 00 0 00402  10011          TRA     **2           NON-CONTRIBUTING GROUP  FMIN
        02462  0020 00 0 02465  10001          TRA     NEWF          CONTRIBUTING GROUP  FPLS
        02463  0500 00 0 03333  10001          CLA     FMIN          NON-CONTRIBUTING GROUP

BINARY CARD ID. NETSIM77
        02464  0020 00 0 00402  10011          TRA     **2
        02465  0500 00 0 03337  10001  NEWF   CLA     FPL           CONTRIBUTING GROUP
        02466  0621 00 0 02020  10001          STA     DG2
        02467  0500 00 0 03337  10001          CLA     M             NO. OF COMPONENTS IN GROUP
        02470  0601 00 0 03433  10001          STO     MSHCTR
        02471  0500 00 0 02475  10001          CLA     STRINO        INCREMENT STRING NO. FOR NEXT TEXT
        02472  0400 00 0 03610  10001          ADD     =1
        02473  0601 00 0 02475  10001          STO     STRINO
        02474  0020 00 0 02015  10001          TRA     DGO           START NORMALIZATION OF THIS GROUP
        02475  000000000001     10000  STRINO DEC     1
        02476  0600 00 0 02501  10001  ONELEV STZ     LVCNTR
        02477  0774 00 1 00012  10000          AXT     10,1
        02500  0020 00 0 02454  10001          TRA     LASLEV
        02501  200000000001     00001  LVCNTR BSS     1             NO. OF LEVELS -1
        02502  0 00000 0 00000  10000  ABICAD PZE     0
        02503  200000000001     00001  GSUMI  BSS     1
        02504  0100 00 0 02512  10001  NWSTT  TZE     EXNWST        END OF LAST LEVEL
        02505  0500 00 0 03433  10001          CLA     MSHCTR        MORE COMPONENTS THIS LEVEL
        02506  0402 00 0 03610  10001          SUB     =1            INCREMENT INDEX FOR NO. OF COMP. THIS GROUP

BINARY CARD ID. NETSIM78
        02507  0601 00 0 03433  10001          STO     MSHCTR
        02510  4100 00 0 02015  10001          TNZ     DGO           CONTINUE THIS GROUP
        02511  0020 00 0 02457  10001          TRA     NEXSTR        START NEW GROUP
        02512  0057 00  004000  10000  EXNWST RIR     4000
        02513  0604 00 0 03554  10001          STI     INDICT
        02514  000000000000     00010  GWPRT  CALL    GPRT(MSPR,GWPC,CNTR,NEXT,OPSNUM)
        02514  0074 00 4 03000  10011
        02515  1 00005 0 00407  10011
        02516  0 27051 0 02462  10000
        02517  0 00000 0 00550  10001
        02520  0 00000 0 00551  10001
        02521  0 00000 0 00546  10001
        02522  0 00000 0 30303  10000
        02523  0 00000 0 03243  10001
        02524  0441 00 0 03554  10001          LDI     INDICT
        02525  0020 00 0 00216  10001          TRA     SCHED
        02526  000000000200     10000  C128   DEC     128                                                        LNK40746
        02527  0834 00 2 02552  10001  WRES   SXA     SAV2,2                                                     LNK40743
        02530  0500 00 0 03240  10001          CLA     OPSNUM                                                     LNK40747
                                                                                                                  LNK4A

BINARY CARD ID. NETSIM79
        02531  0767 00 0 00022  10000          ALS     18
        02532  0622 00 0 30047  10000          STD     SKIP
        02533  000000000000     00010          CALL    WRTNET(SKIP,NETTAP,NETMAX)                                 LNK40748
        02533  0074 00 4 05000  10011
        02534  1 00003 0 00405  10011
        02535  0 27051 0 02472  10000
        02536  0 00000 0 30047  10000
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02537  0 00000 0 03544  10001
02540  0 00000 0 03553  10001
02541  000000000000     00010          CALL    .FPRN.(RBCD)'2423'
02541  0074 00 4 04000  10011                                                  LNK40749
02542  1 00C01 0 00403  10011
02543  0 27051 0 04567  10000
02544  0 00000 0 03250  10001
02545  000000000000     00010          CALL    .FFIL.
02545  0074 00 4 05400  10011                                                  LNK40750
02546  1 00000 0 00402  10011
02547  0 27051 0 02474  10000
02550  0760 00 0 00162  10000          SWT     2

BINARY CARD ID. NETSIM80
02551  0020 00 0 01401  10011          TRA     NETSIM+1
02552  0774 00 2 00000  10011  SAV2    AXT     *-*,2
       1 00C01 7 00001  11010                                                  LNK40752
02553  0441 00 0 03554  10001          LDI     IND CT
02554  0020 00 0 00216  10001          TRA     SCHED
02555  0500 00 0 03324  10001  SETSW   CLA     ONE          GATWO OVERFLOW SIGNAL  LNK40753
02556  060. 0. 0 02606  10001          STO     OADTO
02557  000000000000     00010  OFLOW   CALL    .FWRD.(.UN06.,OFBCD)'2435'
02557  0074 00 4 10400  10011                                                  LNK40754
02560  1 00C02 0 00404  10011
02561  0 27C51 0 04603  10000
02562  0 00000 0 14000  10011
02563  0 00000 0 03571  10001
02564  0500 00 0 03432  10001          CLA     OFLOC
02565  0074 00 4 14400  10011          TSX     .FCNV.,4                       LNK40755
02566  0000C0000000     00010          CALL    .FFIL.'2435'                   LNK40756
02566  0C74 00 4 05400  10011                                                  LNK40757
02567  1 00C00 0 00402  10011
02570  0 27051 0 04603  10000

BINARY CARD ID. NETSIM81
02571  0500 00 0 02606  10001          CLA     OADTO
02572  0100 00 0 00407  10011          TZE     *+7
02573  0441 00 0 03554  10001          LDI     INDICT
02574  0054 00  000100  10000          RFT     100
02575  0020 00 0 02603  10001          TRA     BIADJ        LEVEL SUM OVERFLOW-ADJUST BIAS
02576  0054 00  000200  10000          RFT     200
02577  0020 00 0 00401  10011          TRA     *+1
02600  0020 00 0 00401  10011          TRA     *+1
02601  0420 00 0 00401  10011          HPR     *+1
02602  0020 00 0 40401  10011          TRA     *-1
02603  0500 00 0 03334  10001  BIADJ   CLA     OSUM                           LNK40759
02604  0600 00 0 02606  10001          STZ     OADTO
02605  0020 00 0 01365  10001          TRA     ITER
02606  0 00C00 0 00000  10000  OADTO   PZE     0
02607  0634 00 4 03107  10001  PRINT   SXA     PRTRA,4
02610  0534 00 1 00726  10001          LXA     LEVI,1                         LNK40760
02611  0634 00 2 03105  10001          SXA     PR2,2        LEVEL IDEX        LNK40763
02612  0634 00 1 03106  10001          SXA     PR2+1,1
02613  000000000000     00010          CALL    .FWRD.(.UN03.)
BINARY CARD ID. NETSIM82                                                      LNK40764
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```
02613  0074 00 4 10000  10011
02614  1 00C01 0 00403  10011
02615  0 27051 0 02532  10000
02616  0 00000 0 15400  10011
02617  0500 00 0 03543  10001          CLA     NULEVS
02620  0074 00 4 16000  10011          TSX     .FBLT.,4                       LNK40765
02621  0500 00 0 03342  10001          CLA     LEVCT                          LNK40766
02622  0074 00 4 16000  10011          TSX     .FBLT.,4                       LNK40767
02623  0500 00 0 03550  10001          CLA     XXXX                           LNK40768
02624  0074 00 4 16000  10011          TSX     .FBLT.,4                       LNK40769
02625  0500 00 0 03551  10001          CLA     YYYY                           LNK40770
02626  0074 00 4 16000  10011          TSX     .FBLT.,4                       LNK40771
02627  0500 00 1 30056  10000          CLA     MI,1                           LNK40772
02630  0074 00 4 16000  10011          TSX     .FBLT.,4                       LNK40773
02631  0500 00 1 30055  10000          CLA     MS,1                           LNK40774
02632  0074 00 4 16000  10011          TSX     .FBLT.,4                       LNK40775
02633  0500 00 1 30063  10000          CLA     BIAS,1                         LNK40776
02634  0074 00 4 16000  10011          TSX     .FBLT.,4                       LNK40777
02635  0500 00 1 30066  10000          CLA     OVAL,1       RELATIVE OUTPUT ADDRESS FOR THES LEVEL  LNK40778
BINARY CARD ID. NETSIM83
02636  0621 00 0 02645  10001          STA     BQP1
02637  0621 00 0 02743  10001          STA     DCP1
02640  0535 00 2 00660  10001          LAC     LEVIR,2      RELATIVE COMPONENT ADDRESS OF 1ST
02641  0754 00 2 00000  10000          PXA     0,2               COMPONENT FOR HHIS LEVEL
02642  0400 00 0 03330  10001          ADD     INEXT        ABSOLUTE ADDR OF 1ST COMP THIS LEVEL
02643  0621 00 0 02502  10001          STA     ABICAD
02644  0737 00 2 00000  10000  BQPLPN  PAC     0,2          ABSOLUTE ADDRESS OF COMPONENT
02645  0500 00 2 00000  10000  BQP1    CLA     **,2         OUTPUT OF COMPONENT
02646  0074 00 4 16000  10011          TSX     .FBLT.,4
02647  0500 60 2 00000  10000          CLA*    0,2          1ST WORD OF NEXT COMPONENT
02650  4120 00 0 02652  10001          TMI     BFIN         END LUGICAL BINARY RECORE(PDP TAPE)
02651  0500 00 2 00000  10000          CLA     0,2          1ST WORD OF 1ST COMP OF LEVEL IS MINUS
02652  0020 00 0 02644  10001          TRA     BQPLPN       GET OUTPUT OF NEXT COMPONENT
02653  0074 00 4 16400  10011  BFIN    TSX     .FWLR.,4
02654  0534 00 1 00726  10001          LXA     LEVI,1
02655  0500 00 1 30055  10000          CLA     MS,1
02656  0601 00 0 03546  10001          STO     AAA                            LNK40779
02657  0000C0000000     00010          CALL    BTOF(AAA,=5,AAA)               LNK40780
02657  0074 00 4 03400  10011                                                  LNK40781
```

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BINARY CARD ID. NETSIM84
      02660  1 00C03 0 00405  10011
      02661  0 27051 0 02573  10000
      02662  0 00C00 0 03546  10001
      02663  0 00000 0 03611  10001
      02664  0 00C00 0 03546  10001
      02665  0500 00 1 30063  10000          CLA     BIAS,1                                          LNK40782
      02666  0601 00 0 03547  10001          STO     PBB                                             LNK40783
      02667  0000C0J00000     00010          CALL    BTOF(BBB,=9,BBB)                                LNK40784
      02667  0074 G0 4 03400  10011
      02670  1 00C03 0 00405  10011
      02671  0 27051 0 02576  10000
      02672  0 00C00 0 03547  10001
      02673  0 00C00 0 03616  10001
      02674  0 00000 0 03547  10001

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      02675  000CC000000      00010          CALL    .FWRD.(.UN06.,BIASNO)
      02675  0074 00 4 10400  10011
      02676  1 00C02 0 00404  10011
      02677  0 27051 0 02577  10000
      02700  0 00000 0 14000  10011

BINARY CARD ID. NETSIM85
      02701  0 00C00 0 03201  10001
      02702  0500 00 0 00541  10001          CLA     BIASCH
      02703  0074 00 4 14400  10011          TSX     .FCNV.,4
      02704  0000C0000000     00010          CALL    .FFIL.
      02704  0074 00 4 05400  10011
      02705  1 00000 0 00402  10011
      02706  0 27051 0 02607  10000
      02707  0600 00 0 00541  10001          STZ     BIASCH        RESET BIAS CHANGE COUNTER DOR LEVEL
      02710  000000000000     00010          CALL    .FWRD.(.UN06.,PRCD1)'2452'                      LNK40785
      02710  0074 00 4 10400  10011
      02711  1 00C02 0 00404  10011
      02712  0 27051 0 04624  10000
      02713  0 00000 0 14000  10011
      02714  0 00000 0 03264  10001
      02715  0500 00 0 03342  10001          CLA     LEVCT                                           LNK40786
      02716  0074 00 4 14400  10011          TSX     .FCNV.,4                                        LNK40787
      02717  0500 00 0 03546  10001          CLA     AAA                                             LNK40788
      02720  0074 00 4 14400  10011          TSX     .FCNV.,4                                        LNK40789
      02721  0500 00 0 03547  10001          CLA     BBB                                             LNK40790

BINARY CARD ID. NETSIM86
      02722  0074 00 4 14400  10011          TSX     .FCNV.,4                                        LNK40791
      02723  0000C0000000     00010          CALL    .FFIL.'2452'                                    LNK40792
      02723  0074 00 4 05400  10011
      02724  1 00000 0 00407  10011
      02725  0 27051 0 04624  10000
      02726  000000000000     00010          CALL    .FWRD.(.UN06.,MOLIN)
      02726  0 7- - 4 10400   10011
      02727  1 00C02 0 00404  10011
      02730  0 27051 0 02614  10000
      02731  0 00000 0 14000  10011
      02732  0 00000 0 03233  10001
      02733  000000000000     00010          CALL    .FFIL.
      02733  0074 00 4 05400  10011
      02734  1 00C00 0 00402  10011
      02735  0 27051 0 02615  10000
      02736  0500 00 0 02502  10001          CLA     ABICAD
      02737  0774 00 4 00005  10000  QPLP    AXT     5,4                                             LNK40800
      02740  0737 00 2 00000  10000  DQPLPN  PAC     0,2
      02741  0500 00 2 00001  10000          CLA     1,2                                             LNK40802

BINARY CARD ID. NETSIM87
      02742  0601 00 4 03441  10001          STO     NAMS+5,4                                        LNK40803
      02743  0500 00 2 00000  10000  DQP1    CLA     **,2          OUTPUT OF COMPONENT
      02744  0601 00 4 03446  10001          STO     OPTS+5,4                                        LNK40805
      02745  0500 60 2 00000  10000          CLA*    0,2                                             LNK40809
      02746  4120 00 0 02752  10001          TMI     QBEF                                            LNK40810
      02747  0500 00 2 00000  10000          CLA     0,2                                             LNK40811
      02750  2 00C01 4 02740  10001          TIX     DQPLPN,4,1

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      02751  0020 00 0 02756  10001          TRA     QPRNT
      02752  6 00C01 4 02756  10001  QBEF    TNX     QPRNT,4,1                                       LNK40813
      02753  0600 00 4 03441  10001          STZ     NAMS+5,4                                        LNK40814
      02754  0600 00 4 03446  10001          STZ     OPTS+5,4                                        LNK40816
      02755  0020 00 0 02752  10001          TRA     QBEF                                            LNK40817
      02756  0000C0000000     00010  QPRNT   CALL    BTOF(CPTS,=1,OPTS)'2488'                        LNK40818
      02756  0074 G0 4 03400  10011                                                                  LNK40819
      02757  1 00C03 0 00405  10011
      02760  0 27051 0 04670  10000
      02761  C 00C00 0 03441  10001
      02762  0 00000 0 03610  10001
      02763  0 00C00 0 03441  10001
```

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BINARY CARD ID. NETSIN88
      02764  000000000000      00010          CALL    BTOF(OPT5+1,=1,OPT5+1)*2488*                    LNK40820
      02764  0074 00 4 03400   10011
      02765  1 00003 0 00405   10011
      02766  0 27051 0 04670   10000
      02767  0 00000 0 03442   10001
      02770  0 00000 0 03610   10001
      02771  0 00000 0 03442   10001
      02772  000000000000      00010          CALL    BTOF(OPT5+2,=1,OPT5+2)*2488*                    LNK40821
      02772  0074 00 4 03400   10011
      02773  1 00003 0 00405   10011
      02774  0 27051 0 04670   10000
      02775  0 00000 0 03443   10001
      02776  0 00000 0 03610   10001
      02777  0 00000 0 03443   10001
      03000  000000000000      00010          CALL    BTOF(OPT5+3,=1,OPT5+3)*2488*                    LNK40822
      03000  0074 00 4 03400   10011
      03001  1 00003 0 00405   10011
      03002  0 27051 0 04670   10000
      03003  0 00000 0 03444   10001

BINARY CARD ID. NETSIN89
      03004  0 00000 0 03610   10001
      03005  0 00000 0 03444   10001
      03006  000000000000      00010          CALL    BTOF(OPT5+4,=1,OPT5+4)*2488*                    LNK40823
      03006  0074 00 4 03400   10011
      03007  1 00003 0 00405   10011
      03010  0 27051 0 04670   10000
      03011  0 00000 0 03445   10001
      03012  0 00000 0 03610   10001
      03013  0 00000 0 03445   10001
      03014  000000000000      00010          CALL    .FWRC.(.UNO6.,NMFMT)*2488*                      LNK40824
      03014  0074 00 4 10400   10011
      03015  1 00002 0 00404   10011
      03016  0 27051 0 04670   10000
      03017  0 00000 0 14000   10011
      03020  0 00000 0 03275   10001
      03021  0500 00 0 03434   10001          CLA     NAM5                                            LNK40825
      03022  4734 00 4 00000   10000          PDX     0,4                                             LNK40826
      03023  0634 00 4 03607   10001          SXA     LLEV,4                                          LNK40827
      03024  4320 00 0 03562   10001          ANA     077                                             LNK40828

BINARY CARD ID. NETSIN90

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         ASSEMBLED TEXT.

      03025  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40829
      03026  0500 00 0 03607   10001          CLA     LLEV                                            LNK40830
      03027  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40831
      03030  0500 00 0 03441   10001          CLA     OPT5                                            LNK40832
      03031  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40833
      03032  0500 00 0 03435   10001          CLA     NAM5+1                                          LNK40834
      03033  4734 00 4 00000   10000          PDX     0,4                                             LNK40835
      03034  0634 00 4 03607   10001          SXA     LLEV,4                                          LNK40836
      03035  4320 00 0 03562   10001          ANA     077                                             LNK40837
      03036  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40838
      03037  0500 00 0 03607   10001          CLA     LLEV                                            LNK40839
      03040  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40840
      03041  0500 00 0 03442   10001          CLA     OPT5+1                                          LNK40841
      03042  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40842
      03043  0500 00 0 03436   10001          CLA     NAM5+2                                          LNK40843
      03044  4734 00 4 00000   10000          PDX     0,4                                             LNK40844
      03045  0634 00 4 03607   10001          SXA     LLEV,4                                          LNK40845
      03046  4320 00 0 03562   10001          ANA     077                                             LNK40846
      03047  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40847

BINARY CARD ID. NETSIN91
      03050  0500 00 0 03607   10001          CLA     LLEV                                            LNK40848
      03051  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40849
      03052  0500 00 0 03443   10001          CLA     OPT5+2                                          LNK40850
      03053  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40851
      03054  0500 00 0 03437   10001          CLA     NAM5+3                                          LNK40852
      03055  4734 00 4 00000   10000          PDX     0,4                                             LNK40853
      03056  0634 00 4 03607   10001          SXA     LLEV,4                                          LNK40854
      03057  4320 00 0 03562   10001          ANA     077                                             LNK40855
      03060  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40856
      03061  0500 00 0 03607   10001          CLA     LLEV                                            LNK40857
      03062  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40858
      03063  0500 00 0 03444   10001          CLA     OPT5+3                                          LNK40859
      03064  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40860
      03065  0500 00 0 03440   10001          CLA     NAM5+4                                          LNK40861
      03066  4734 00 4 00000   10000          PDX     0,4                                             LNK40862
      03067  0634 00 4 03607   10001          SXA     LLEV,4                                          LNK40863
      03070  4320 00 0 03562   10001          ANA     077                                             LNK40864
      03071  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40865
      03072  0500 00 0 03607   10001          CLA     LLEV                                            LNK40866

BINARY CARD ID. NETSIN92
      03073  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40867
      03074  0500 00 0 03445   10001          CLA     OPT5+4
      03075  0074 00 4 14400   10011          TSX     .FCNV.,4                                        LNK40869
      03076  000000000000      00010          CALL    .FFIL.*2488*                                    LNK40870
      03076  0074 00 4 05400   10011
      03077  1 00000 0 00402   10011
      03100  0 27051 0 04670   10000
      03101  0500 60 2 00000   10000          CLA*    0,2                                             LNK40871
      03102  4120 00 0 03105   10001          TMI     PR2                                             LNK40872
      03103  0500 00 2 00000   10000          CLA     0,2                                             LNK40873
      03104  0020 00 0 02737   10001          TRA     OPLP                                            LNK40874
      03105  0774 00 2 00000   10000  PR2     AXT     **,2          FNC OF LEVEL PRINTOUT
      03106  0774 00 1 00000   10000          AXT     **0,1                                           LNK40877
      03107  0774 00 4 00000   10000  PRTRA   AXT     **0,4                                           LNK40878
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03110  0020 00 4 00001  10000          TRA    1,4                                          LNK40879
03111  0 00000 0 00000  10000  BIGEST  PZE    0
03112  0 00000 0 00000  10000  SGWT    PZE    0
03113  740130013460     10000  PSKP    BCI    1,(1H1)
03114  746003043060     10000  BCDF    BCI    9,( 34H ENTER NEW MS INTO KEYS FOR LEVEL ,I3,///)   LNK40936

BINARY CARD ID. NETSIM93
03115  254563255160     10000
03116  452566604462     10000
03117  603145634660     10000
03120  422570626026     10000
03121  465160432565     10000
03122  254360733103     10000
03123  736161613460     10000
03124  746060073060     10000  BCDA    BCI    9,(  7H LEVEL ,I3,25H NONCONVERGENT. NEW MS = ,F14.8)  LNK40937
03125  432565254360     10000
03126  733103730205     10000
03127  306045464523     10000
03130  464565255127     10000
03131  254563336045     10000
03132  256660446260     10000
03133  136073260104     10000
03134  331034606060     10000
03135  746003063060     10000  BCDE1   BCI    9,( 36H ENTER NEW BIAS INTO KEYS FOR LEVEL ,I3)     LNK40938
03136  254563255160     10000
03137  452566602231     10000

BINARY CARD ID. NETSIM94
03140  216260314563     10000
03141  466042257062     10000
03142  602646516043     10000
03143  256525436073     10000
03144  310334606060     10000
03145  746060073060     10000  BCDB    BCI    9,(  7H LEVEL ,I3,33H OUTPUT OUT OF RANGE, NEW BIAS = ,  LNK40939
03146  432565254360     10000
03147  733103730303     10000
03150  306046646347     10000
03151  646360466463     10000
03152  604626505121     10000
03153  452725736045     10000
03154  256660223121     10000
03155  626013607360     10000
03156  260104331061     10000          BCI    5,F14.8/5X,12H**  CONTROL=,O12 )
03157  056773010230     10000
03160  545460502346     10000
03161  456351464313     10000
03162  734601026034     10000

BINARY CARD ID. NETSIM95
03163  740303306047     10000  BBIAS   BCI    7,(33H PCENT IN AJUST GREATER THAN ONE.)
03164  232545636031     10000
03165  456021416462     10000
03166  636027512521     10000
03167  632551606330     10000
03170  214560464525     10000
03171  333460606060     10000
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03172  746060113060     10000  MISHL   BCI    6,(  9H SUM NO. ,I3,4H IS ,F10.5)                   LNK40941
03173  626444604546     10000
03174  336073310373     10000
03175  043060316260     10000
03176  732601003303     10000
03177  346060606060     10000
03200  0 00000 0 00000  10000  KEYS    PZE    0
03201  741067733104     10000  BIASND  BCI    5,(8X,I4,13H BIAS CHANGES //)
03202  730103306022     10000
03203  312162602330     10000
03204  214527256260     10000
03205  616134606060     10000

BINARY CARD ID. NETSIM96
03206  740430005454     10000  BCDC1   BCI    8,(4H0***,I4,4X,6HINPUT ,A6,3X,24H IDENTIFICATION
03207  547331047304     10000
03210  677306303145     10000
03211  476463607321     10000
03212  067303677302     10000
03213  043060314524     10000
03214  254563312631     10000
03215  232163314645     10000
03216  602346515125     10000          BCI    2, CORRECT. )
03217  236333603460     10000
03220  740430005454     10000  BCDD1   BCI    8,(4H0***,I4,4X,6HINPUT ,A6,3X,27H IDENTIFICATION
03221  547331047304     10000
03222  677306303145     10000
03223  476463607321     10000
03224  067303677302     10000
03225  073060312425     10000
03226  456331263123     10000
03227  216331464560     10000
03230  603145234651     10000          BCI    3, INCORRECT. )
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BINARY CARD ID. NETSIM97
        03231  512523633360      10000
        03232  346060604060      10000
        03233  740767730574      10000  HDLIN  BCI     5,(7X,5(16H COMP.    OUTPUT,6X))
        03234  010630602346      10000
        03235  444733606060      10000
        03236  604664634764      10000
        03237  637306673434      10000
        03240  0 00000 0 00000   10000  DPSNUM PZE     0
        03241  740306300045      10000  GMES   BCI     7,(36HONO UNSATURATED G-WTS. DG TOO LARGE. )          LNK40944
        03242  466064456221      10000
        03243  636451216325      10000
        03244  246027406663      10000
        03245  623360242760      10000
        03246  634646604321      10000
        03247  512725336034      10000
        03250  740405306051      10000  RBCD   BCI     9,(45H RESTART WRITTEN, LIFT SS2 AND PRESS START TO,   LNK40945
        03251  256263215163      10000
        03252  606651316363      10000
        03253  254573604331      10000

BINARY CARD ID. NETSIM98


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        03254  266360626202      10000
        03255  402145246047      10000
        03256  512562626062      10000
        03257  632151636063      10000
        03260  467360606060      10000
        03261  010030602346      10000          BCI     3,10H CONTINUE. )                                     LNK40946
        03262  456331456425      10000
        03263  336034606060      10000
        03264  741067730630      10000  PBCD1  BCI     9,(8X,6H LEVEL,I4,3X,6H MS = ,F14.8,3X,8H BIAS = ,F14.8/)
        03265  604325652543      10000
        03266  733104730367      10000
        03267  730630604462      10000
        03270  601360732601      10000
        03271  043310730367      10000
        03272  731030602231      10000
        03273  216260136073      10000
        03274  260104331061      10000
        03275  740567730574      10000  NMFMT  BCI     5,(5X,5(3X,I3,1H.,I2,4X,F10.7))
        03276  036773310373      10000

BINARY CARD ID. NETSIM99
        03277  013033733102      10000
        03300  730467732601      10000
        03301  003307343460      10000
        03302  740101306023      10000  PBCD4  BCI     9,(11H COMPONENT   ,I3,1H.,I2,11H  G-WEIGHTS      )     LNK40950
        03303  464447464525      10000
        03304  456360606073      10000
        03305  310373013033      10000
        03306  733102730101      10000
        03307  306060274066      10000
        03310  253127306362      10000
        03311  606060606060      10000
        03312  346060606060      10000
        03313  200000000005      00001  WORD1  BSS     5                                                     LNK40951
        03320  0 00170 0 00000   10000  L120   PZE     0,0,120                                               LNK40952
        03321  0 07640 0 00000   10000  L4M    PZE     0,0,4000                                              LNK40953
                                        *  CONTANTS  FOR CALCULATION AND ADDRESSING                         LNK40954
        03322  031463146314      10000  TENTH  DEC     .180                                                  LNK40955
        03323  0 00000 0 00000   10000  ZERO   PZE                                                           LNK40956
        03324  0 00000 0 00001   10000  ONE    PZE     1                                                     LNK40957
        03325  0 00000 0 00002   10000  TWO    PZE     2                                                     LNK40958

BINARY CARD ID. NETSIM00
        03326  777777000000      10000  MASK   OCT     -377777000000          TO UNPACK G-WEIGHT             LNK40959
        03327  0 30303 0 30303   10000  ZNEXT  PZE     NEXT,0,NEXT                                           LNK40960
        03330  0 00000 2 30303   10000  INEXT  PZE     NEXT,2                 INITIALIZATION FOR NTAG2       LNK40961
        03331  0 00000 2 30303   10000  NTAG2  PZE     NEXT,2                                                LNK40962
        03332  0 00000 0 30057   10000  FPL    PZE     FPLS                   USED FOR CORRECT OUTPUT        LNK40963
        03333  0 00000 0 30060   10000  FMIN   PZE     FMINS                  INCORRECT OUTPUT               LNK40964
                                        *  LOCTIONS  FOR VARIABLE STORAGE                                   LNK40965
        03334  0 00000 0 00000   10000  OSUM                                  SUM OF OUTPUTS FOR A LEVEL     LNK40966
        03335  0 00000 0 00000   10000  TSUM                                  TEMPORARY SUM                  LNK40967
        03336  0 00000 0 00000   10000  TRIAL                                                                 LNK40968
        03337  0 00000 0 00000   10000  M                                     REDUCTION IN SIZE OF OUTPUT STRINGLNK40969
        03340  000002000000      10000  1818   DEC     1816                                                  LNK40970
        03341  0 00000 0 00000   10000  LEVNO                                 INDEX ON LEVEL FOR DG CALCULATION LNK40971


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          ASSEMBLED TEXT.

        03342  0 00000 0 00000   10000  LEVCT                                                                 LNK40972
        03343  0 00000 0 00000   10000  COMCT                                 NUMBER OF COMPONENTS PER LEVEL LNK40973
        03344  031463146314      10000  SCALF  DEC     .180                                                  LNK40974
        03345  0 00000 0 00000   10000  OIR                                   INDEX ON OUTPUT WORD           LNK40975
        03346  000400000000      10000  RSCAL  DEC     1.89
        03347  0 00000 0 00000   10000  GSET                                  INDEX ON 4 G-SETS              LNK40977
        03350  0 00000 0 00000   10000  STRIR                                 INDEX FOR OUTPUT STRING        LNK40978
```

```
BINARY CARD ID. NETSIM01
        03351  0 00000 0 00000   10000  DIFF                                   USED IN DG NORMALIZATION          LNK40979
                                                                                                                 LNK40980
        03352  0 00000 0 00000   10000  QUOT                                                                     LNK40981
        03353  0 00000 0 00000   10000  TEMP
        03354  0 00000 0 00000   10000  CMSUM                                   SUM FOR OUTPUT COMPARISON         LNK40982
        03355  0 00000 0 00000   10000  GLDMS                                                                    LNK40983
        03356  0 00000 0 00000   10000  FACT                                    STORAGE FOR (FXO)                 LNK40984
        03357  0 00000 0 00000   10000  GSUM                                    SUM OF G-WEIGHTS                  LNK40985
        03360  0 00000 0 00000   10000  N                                       NUMBER OF INPUTS                  LNK40986
        03361  0 00000 0 00000   10000  MEAN                                    MEAN OF INPUTS                    LNK40987
        03362  200000000050      00001  STRING BSS     40                      STORAGE FOR OUTPUT STRING         LNK40988
        03432  0 00000 0 00000   10000  OFLOC  PZE                                                               LNK40989
        03433  200000000001      00001  MSHCTR BSS     1                                                         LNK40990
        03434  200000000005      00001  NAM5   BSS     5                                                         LNK40991
        03441  200000000005      00001  OPT5   BSS     5                                                         LNK40992
        03446  200000000001      00001  XNUMM  BSS     1                                                         LNK40993
        03447  200000000074      00001  FFSPC  BSS     60                                                        LNK40994
        03543  200000000001      00001  NULFVS BSS     1                                                         LNK40995
        03544  0 00000 0 00011   10000  NETTAP PZE     9                                                         LNK40996
        03545  0 00000 0 00001   10000  AAAA   PZE     1                                                         LNK40997

BINARY CARD ID. NETSIM02
        03546  0 00000 0 00001   10000  AAA    PZE     1                                                         LNK40998
        03547  0 00000 0 00001   10000  BBB    PZE     1                                                         LNK40999
        03550  0 00000 0 00001   10000  XXXX   PZE     1                                                         LNK41000
        03551  0 00000 0 00001   10000  YYYY   PZE     1                                                         LNK41001
        03552  200000000001      00001  FFSWT  BSS     1                                                         LNK41002
        03553  000000052760      10000  NETMAX DEC     22000                                                     LNK41003
        03554  200000000001      00001  INDICT BSS     1                                                         LNK41004
        03555  200000000001      00001  MAX    BSS     1                                                         LNK41007
        03556  200000000001      00001  NOCDS  BSS     1                                                         LNK41008
        03557  200000000001      00001  XITAY  BSS     1                                                         LNK41010
        03560  200000000001      00001  XCENT  BSS     1                                                         LNK41011
        03561  606060606060      10000  BLANK  B       1,                                                        LNK41012
        03562  000000777777      10000  O77    OCT     000000777777                                              LNK41013
        03563  000000000001      10000  O1     DEC     1                                                         LNK41014
        03564  000000000005      10000  O5     DEC     5                                                         LNK41015
        03565  000000000005      10000  FIVE   DEC     5
        03566  740574010067      10000  CGFMT  BCI     3,(5(10X,F14.8))                                          LNK41016
        03567  732601043310      10000
        03570  343460606060      10000

BINARY CARD ID. NETSIM03
        03571  740307306021      10000  OFBCD  BCI     8,(37H ARITHMETICC OVERFLOW OCCURED AT LOC ,O5)           LNK41017
        03572  513163304425      10000
        03573  633123236046      10000
        03574  652551264346      10000
        03575  666046232364      10000
```



```
        03576  512524602163      10000
        03577  604346236073      10000
        03600  460534606060      10000
        03601  000000000000      00010          CALL   DUMMY1                                                    LNK41018
        03601  0074 00 4 06000   10011
        03602  1 00000 0 00402   10011
        03603  0 27051 0 03063   10000
        03604  000000000000      00010          CALL   DUMMY2                                                    LNK41019
        03604  0074 00 4 06400   10011
        03605  1 00000 0 00402   10011
        03606  0 27051 0 03064   10000
        03607  0 00000 0 00001   10000  LLEV   PZE    1                                                          LNK41020
        03610  000000000001      10000          LORG
        03611  000000000005      10000

BINARY CARD ID. NETSIM04
        03612  377777777777      10000
        03613  010000000000      10000
        03614  377400000000      10000
        03615  377700000000      10000
        03616  000000000011      10000
        03617  000000000006      10000
        03620  000000000002      10000
        03621  200000000000      10000
                                        *  STOAGE FOOR NETWORK INFORMATION                                      LNK41021
        27046  000000027046      00001          ORG    11814
        27046  200000000001      00001  NOCNT  BSS    1                                                          LNK41023
        27047  0 00000 0 00000   10000  INUM                                                                     LNK41024
        27050  200000000001      00001  KEY    BSS    1                        INPUT IDENTIFICATION              LNK41025
                          27051        DATA   EQU    11817
                          30047        SKIP   EQU    12327                                                       LNK41027
                          30050        DT     EQU    SKIP+1                   TIME INCREMENT FOR DG CALCULATION  LNK41028
                          30051        EPSLN  EQU    SKIP+2                   CRITERION FOR CONVERGENCE          LNK41029
                          30052        MSTEP  EQU    SKIP+3                   INCREMENT FOR MS                   LNK41030
                          30053        GSAT   EQU    SKIP+4                   SATURATION POINT FOR G-WEIGHT      LNK41031
                                       *        STTORAGE FOR LEVEL INFORMATION                                  LNK41032
                          30054        LEVEL  EQU    SKIP+5                                                      LNK41033
                          30055        MS     EQU    LEVEL+1                  MULT FOR STATE INPUT               LNK41034
                          30056        MI     EQU    LEVEL+2                  MULT FOR PRIMARY INPUT             LNK41035
                          30057        FPLS   EQU    LFVEL+3                  FIX FOR STATE INPUTS               LNK41036
                          30060        FMINS  EQU    LEVEL+4                  FORGET FOR STATE I/P               LNK41037
                          30061        FPLI   EQU    LEVEL+5                  FIX FOR PRIMARY I/P                LNK41038
                          30062        FMINI  EQU    LEVEL+6                  FURGET FOR PRIMARY I/P             LNK41039
                          30063        BIAS   EQU    LFVEL+7                  BIAS TO SOJUST SUM OF OUTPUTS      LNK41040
                          30064        ESUM   EQU    LEVEL+8                  EXPECTED SUM OF OUTPUTS            LNK41041
                          30065        OFLIP  EQU    LEVEL+9                                                     LNK41042
                          30066        OVAL   EQU    LEVEL+10                                                    LNK41043
                                       *  STOAGE FOOR COMPONENT INFORMATION                                    LNK41044
                          30303        NEXT   EQU    LEVEL+151                                                   LNK41045
                          30304        SYMB   EQU    NEXT+1                   SYMBOLIC NAME OF THIS CAMP         LNK41046
                          30305        IVAL   EQU    NFXT+2                   VALUE OF CUMPUTED I                LNK41047
                          30306        SVAL   EQU    NEXT+3                   VALUE OF COMPUTED S                LNK41048
                          30307        CPLS   EQU    NEXT+4                                                      LNK41049
                          30310        CMINS  FQU    NEXT+5                                                      LNK41050
                          30311        CPLI   EQU    NEXT+6                                                      LNK41051
                          30312        CMINI  EQU    NEXT+7                                                      LNK41052
```

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                30316        XANDY  EQU     NEXT+11          NO. STATE(ADDR),PRIMARY(DEER)I/P  LNK41053
                30303        LINE1  EQU     NEXT             INPUT ADDR,SIGNED G-WEIGHT        LNK41054
27051  000000000000   10000        *LDIR
27052  452563623144   10000
                00000  01111        END
```



```
        $CDICT NETSIM                                                    NETSIM05

BINARY CARD ID. NETSIM06
          003622000000          PREFACE    START=0,LENGTH=1938,TYPE=7094,CMPLX=6
          000004000006
          452563623144   NETSIM DECK       LOC=0,LENGTH=1938
          003622000000
          452563623144   NETSIM REAL       LOC=0,LENGTH=0
          000000000000
          452563623144   NETSIM REAL       LOC=0,LENGTH=0
          000000000000
          224746314563   BPOINT VIRTUAL    SECT. 4,CALL
          200000100000
          452563233027   NETCHG VIRTUAL    SECT. 5,CALL
          200000100000
          274751636060   GPRT   VIRTUAL    SECT. 6,CALL
          200000100000
          226346266060   BTOF   VIRTUAL    SECT. 7,CALL
          200000100000
          332647514533   .FPRN. VIRTUAL    SECT. 8,CALL
          200000100000
          512445256360   RDNET  VIRTUAL    SECT. 9,CALL
          200000100000
          665163452563   WRTNET VIRTUAL    SECT. 10,CALL
          200000100000

BINARY CARD ID. NETSIM07
          332626314333   .FFIL. VIRTUAL    SECT. 11,CALL
          200000100000
          246444447001   DUMMY1 VIRTUAL    SECT. 12,CALL
          200000100000
          246444447002   DUMMY2 VIRTUAL    SECT. 13,CALL
          200000100000
          332622626333   .FBST. VIRTUAL    SECT. 14,CALL
          200000100000
          332625266333   .FEFT. VIRTUAL    SECT. 15,CALL
          200000100000
          332666512233   .FWRB. VIRTUAL    SECT. 16,CALL
          200000100000
          332666512433   .FWRD. VIRTUAL    SECT. 17,CALL
          200000100000
          625051636060   SQRT   VIRTUAL    SECT. 18,CALL
          200000100000
          512521242323   READCC VIRTUAL    SECT. 19,CALL
          200000100000
          634723426060   TPCK   VIRTUAL    SECT. 20,CALL
          200000100000
          627062434623   SYSLOC VIRTUAL    SECT. 21
          200000000000

BINARY CARD ID. NETSIM08
          334647254560   .OPEN  VIRTUAL    SECT. 22
          200000000000
          335125212460   .READ  VIRTUAL    SECT. 23
          200000000000
```



```
          336445000633   .UN06. VIRTUAL    SECT. 24
          200000000000
          332623456533   .FCNV. VIRTUAL    SECT. 25
          200000000000
          332343466225   .CLOSE VIRTUAL    SECT. 26
          200000000000
          336445000333   .UN03. VIRTUAL    SECT. 27
          200000000000
          332622436333   .FBLT. VIRTUAL    SECT. 28
          200000000000
          332666435133   .FWLR. VIRTUAL    SECT. 29
          200000000000
        $DKEND NETSIM                                                    NETSIM09

NO MESSAGES FOR THIS ASSEMBLY
```

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	1818	C3140	2220
	2NEAT	03327	1012,1630
	A1	00547	0,40
	A2	00552	41,300,301,306
	A3	00556	0,45
	A4	00560	0,47
	AAAA	03545	
	AAA	03546	1112,1116,1120,1130,1536,1555,1557,1567,1667,1673,1675,1705,2367,2377,2403,2410,2412,2416, 2417,2423,2425,2656,2662,2664,2717
	ABICAD	02502	2643,2736
	ACEPT	01577	1173,1174
	ADELT	01636	1634
	ADOUTP	C1152	
	AJ2	01535	1226,1301,1317,1331,1350,1364,1412,1432,1450,1456,1467,1475,1503,1510
	AJ3	01552	
	AJUSTO	C1205	
	AJUST1	01227	1204
	AJUST2	01244	1202
	AJUST4	01302	1251,1252
	AJUST	01175	1172
	AXT2	00725	664,772,1010
	AXT3	00742	674,745
	A(2)	00542	272,302,307,432
	B2	00553	42,304
	B3	00557	0,46
	B4	00561	0,50
	BACK	C0411	420
	BBB	03547	2666,2672,2674,2721
	BBIAS	03163	1515
	BCDA	C3124	1125
	BCDB	03145	1564
	BCDC1	C3206	1737
	BCDC	00602	232
	BCDD1	03220	1760
	BCDD	00607	
	BCDE1	03135	
	BCDE	00621	471
	BCDF	03114	
	BCONTL	01524	1175,1222,1276,1306,1342,1352,1365,1411,1571,1601
	BECOM	00664	1057
	BEGIN	00641	245,251,265,317,334,351,371,401
	BFIN	02653	2650
	BIADJ	C2603	2575
	BIASCH	00541	1542,1544,2702,2707
	BIASNO	03201	2701
	BIAS	30063	653,1005,1217,1220,1225,1277,1316,1327,1347,1355,1356,1363,1406,1414,1446,1454,1473,1501, 1535,2633,2665
	BIGEST	C3111	
	BITER	01527	1307,1310,1315
	BLANK	C3561	
	BOF	00640	

BOP1	C2645	2636
BOPLPN	02644	2652
BSAT	01464	1447
B(2)	00543	274,276,305
C10	00215	165
C128	02526	
C253	00540	134
C2	00554	43,270
C4	00562	0,51
CGFNT	03566	
CHGSIN	01523	1332
CHIOXY	00456	136,137
CINIT	00213	
CMINI	30312	
CMINS	30310	
CMP	C1723	1732
CMSUM	03354	1652,1726,1730
CNTR	00546	2521
COMCT1	01526	1417,1423,1442
COMCT	03343	662,666,670,1210,1416,1441
CONT	02315	2427
CPLI	30311	
CPLS	30307	
C	C3556	57
C(2)	00544	257,261,271,434
D2	00555	44,266,311
DATA	27051	
DBI	C1530	1216,1255,1266,1273,1274,1302,1326,1343,1345,1353,1357,1362,1403,1405,1431,1445,1451,1453, 1457,1461,1462,1470,1472,1476,1500,1505,1507
DG0	02015	2450,2453,2474,2510
DG1	02017	2016,2173
DG2	02020	1773,2172,2466
DG3.5	02067	2035,2206
DG3.6	02070	2043,2161,2210,2226,2264,2346
DG3	02051	2044,2061,2211,2441
DG4	C2072	2151,2442
DG5	02166	2155

DG6	02170	2047
DIFF1B	01533	1205,1212,1234,1246,1262,1376
DIFF1	02153	2150
DIFF2B	01534	1176,1227,1244,1245,1312,1366
DIFF2	02162	2152
DIFF	03351	2224,2267,2306,2374
DLTSQG	02365	2301
DOSUM	01531	1235,1261
DOUBSR	00402	262,277,330,375
DOP1	02743	2637
DUPLPN	02740	2750
DT	30050	106,2076
D(2)	00545	254,256,267,436
ELEND	02436	2167,2205
ELTS	01632	1651
ENDIF	00630	505,515
EOB2	00212	71,146,444
EOB	00211	
EOT	00500	72,147,445

	EPSLN	30051	107,1052
	ESUM	30064	120,1164,1167
	EXNWST	02512	2504
	F1	01773	1753
	FACT	03356	2025,2104,2200
	FCHG	00152	143,144
	FFL1	00155	167
	FFL2	00156	160,161,163
	FFL3	00157	164,166
	FFL4	00170	153
	FFSPC	03447	52,156
	FFSWT	03552	53,152
FILE	FILE2	1	67,71,146,423,444,501
	FIVE	03565	
	FIX	01733	
	FMINI	30062	117
	FMIN	03333	1772,2463
	FMINS	30060	115,3333
	FORGET	C1754	1727
	FOUR	00214	142,162
	FPLI	30061	116
	FPL	C3332	1751,2465
	FPLS	30057	114,3332
	GMES	03241	
	GNG	02430	2305,2373
	GSAT	30053	111,2122,2123,2233,2270,2313,2316,2317
	GSET	03347	2027,2046,2166,2214,2347,2351
	GSUM1	02503	2262,2303,2371
	GSUM	03357	2071,2140,2142,2217,2227,2254,2256,2261,2263,2337,2341,2362
	GWPC	00551	55,2520
	GWPRT	02514	
	HDLIN	03233	2732
	HHOLD	01141	
	HOLD	01160	
	I1ST	01102	752
	I2ND	01103	1064
	ICHANG	01020	753,1065
	ICOMM	00446	457,461,462
	INCR	02257	2234,2235,2240
	INDICT	03554	37,74,170,216,332,377,645,650,702,737,1062,1066,1163,1537,1541,1622,1625,1653,1724,2001, 2003,2132,2145,2156,2160,2163,2245,2277,2331,2445,2455,2513,2524,2553,2573
	INEXT	03330	2004,2642
	INPUT	00424	242,264,316,333,350,366,400
	INUM	27047	1744,1765
	IPTRA	C0451	424,464
	IREAD	00466	72,147,445
	ISM	00530	33,123
	ISUM	00754	771
	ITERO1	01433	1415
	ITERO	C1413	1374
	ITER1	01375	
	ITER2	01403	1372
	ITER4	01310	1200,1370
	ITER	01365	2605
	IVAL	30305	1007,1102,1103
	..0001	C0003	12,13,14

..0002	00005	4,7
..0003	00007	0
K20	00563	1550
KEY	27050	1716,2460
KEYS	C3200	31,141,1547,1774
L120	03320	
L4M	03321	
LARGE	01511	1264
LASLEV	02454	2457,2500
LEVL	00726	665,773,1075,1577,2610,2654
LEVCT	03342	644,1126,1565,1615,1616,2621,2715
LEVEL	30054	157,27051,27051,27051,27051,27051,27051,27051,27051,27051,27051,27051
LEVIR	00660	642,1101,1613,1626,2640
LEVNO	03341	2037,2170,2201,2443
LINE1	30303	707,712,754,757
LLEV	03607	3023,3026,3034,3037,3045,3050,3056,3061,3067,3072
LVCNTR	02501	21,2014,2451,2476
M1A	00246	241
M1	00242	247

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M1TRY     00547   176,243
M3A       00320   314
M3B       00327   323
M3C       00333   326
M3M       00556   200
M3N       C0557   202
M3        00316
M3(M)     00532   0,201,320,331
M3(N)     00533   0,203,324
M4A       00352   346
M4B       00364   360,373
M4C       00372   363
M4M       C0560
M4N       00561
M4        00345   341
M4(M)     00532   352,376
M4(N)     00533   364
M5A       00256   312
M5B       00264   303,310
M5C       00266   255,260
M5D       00304   275
M5E       C0311   253
M5F       00307   273
MASK      03326   2121,2232,2266,2915
MAX       03555
MEAN      C3361   2066,2073
MGPR      00550   56,2517
MINPS     00577   313,315,321,345,347,353
MI        30056   113,777,2627
MISH1     03172   1702
MISH2     01713   1662
MODE1     C0240   220
MODE2     00252   222
MODE3     00313   224
MODE4     00335   226
MRCOMP    01056   1036
M         C3337   0,1633,2467
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SYMBOL REFERENCE DATA

```
MSHCTR    03433   1660,1663,1665,1703,2470,2505,2507
MSHEND    01714   1655,1656
MSHLP     01663   1713
MS        30055   112,651,732,1105,1111,1546,2631,2655
MSTEP     30052   110,1106
NAMS      03434   2742,2753,3021,3032,3043,3054,3065
NAMES     00537   27,65
NCYCS     00600   322,325,327,365,372,374
NELT      01645   1635,1647
NETMAX    03553   102,2540
NETSIM    00000   1521,2551
NETTAP    03544   101,2537
NEWAD     01634   1650
NEWF      02465   2462
NEW       01026   1015,1040,1137
NEXSTR    02457   2511
NEXT      30303   121,530,1056,1611,1636,1645,2051,2072,2522,3327,3327,3330,3331,27051,27051,27051,27051,
                  27051,27051,27051,27051,27051
NMFMT     03275   3020
NM        02214   2344
NUCDS     03556   0,154
NUCNT     27046   446,450,527
NUPP      00526   460,654,1334
NUPRI     C2204   2033
NORM1     02260   2212,2345
NORM2     02265   2343
NORM3     02334   2271,2272,2275
NORM4     02343   2213
NORM5     02345   2222,2223
NORM      02212   2154,2165
N         03360   2036,2065,2207
NTAG2     03331   2005,2023,2031,2110,2112,2127,2144,2176,2216,2231,2265,2310,2323,2326,2355,2365,2366,2437,
                  2440,2444
NTRA      02353   2153,2164
NUGWTS    02435   2230,2242,2244,2432
NULEVS    03543   17,122,2010,2617
NUMIN     00536   25,64,133
NWSTT     02504   2447
O1EQO2    01476   1233
O1        03563
O5        03564
O77       03562   3024,3035,3046,3057,3070
OFBCD     03571   2563
OFF       01045   1044
OFLIP     30065   1011,1076,1100,1604,1607
OFLOC     03432   711,717,731,756,764,776,1004,1031,1051,1053,1641,2022,2054,2077,2103,2111,2137,2175,2253,
                  2336,2360,2400,2564
OFLOW     02557   714,721,735,761,766,1002,1006,2024,2056,2100,2106,2113,2177,2363,2401
OIR       03345
OLDMS     03355   652,1545
OLD       01037   1013,1042
ONELEV    02476   2013
ONEREC    00527   456
ONE       03324   263,336,343,416,531,643,667,1543,1614,1664,1741,1762,1776,2350,2555
OP2       01140
OPEND     01732   1715
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SYMBOL REFERENCE DATA

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        OPSNUM   03240   127,1740,1742,1761,1763,2523,2530
        OPTS     03441   2744,2754,2761,2763,2767,2771,2775,2777,3003,3005,3011,3013,3030,3041,3052,3063,3074
        OPUT     01010   744,746
        OSIZE    00310
        OSUM1    01525   1224,1231,1234,1375,1413,1426,1434
        OSUM     03534   661,1032,1034,1170,1223,1230,1433,2603
        OUTBSR   00421   402
        OVAL     30066   705,747,1602,1606,1620,2015,2040,2202,2635
        PBCD1    03264   2714
        PBCD4    03302
        PCENTB   01532   1253,1265,1267,1600
        PCENT    00562   207,362
        PR2      03105   2611,2612,3102
        PRINT    02607   1610
        PRLIN    00745   701,741
        PRTRA    03107   2607
        PSKP     03113
        QADTO    02606   2556,2571,2604
        QBEF     02752   2746,2755
        QPLP     02737   3104
        QPRNT    02756   2751,2752
        QUOT     03352
        RANGE    01522   1304
        RBCD     03250   2544
        READOP   00539   23,63
        READ     00443
        READS    00575   244,246,250
        RECSKP   00141   465
        RESCT    00601   342,344,354,367
        RESET    01351   1340
        REVER1   01215   655,1335
        REVER2   01314   656,1336
        REVSIN   01332   1241,1242,1401,1402,1463
        REVS     01457   1443,1444
        RSCAL    03346
LCTR     BLCTR
QUAL     UNQS
LCTR    //
        SAT      01136   1025
        SAV2     02552   2527
        SAVEM    00651   1617
        SAVFOR   02426   2404
        SCALE    03344
        SCHED    00216   172,177,205,210,1777,2525,2554
        SET2     01274   1256,1325
        SETOZE   02322   2312,2314,2402
        SETSW    02555   1033,1643,2141,2255,2340
        SGWT     03112   2241,2250
        SHFDTP   01143
        SHT      01142
        SKIP     30047   100,125,130,131,132,213,415,417,452,454,2532,2536,27051,27051,27051,27051,27051
        SMALC2   01326   1322
        SMALCH   01320   1271
        SMALL    01652   1646
        SNEXT    30303   124
        SOGWT    02354   2134,2247,2333
```


SYMBOL REFERENCE DATA

```
        SSUM     00707   724
        STABL    01161   1072
        STRING   03362   1632,1642,1644,1666,1720,1721,1723
        STRINO   02475   2007,2457,2471,2473
        STRIR    03350
        SVAL     30306   736,1016
        SYMB     30304
        TCYCL    00564   431
        TEMP     03353   1166,1171
        TENTH    03322   1165
        THREE    00534
        TOBIG1   01470   1300,1330,1474
        TOBIG2   01504   1502
        TOBIG    01451   1437,1440
        TOTAL    00576   335,337,356,370
        TRIAL    03336   657,1035,1060,1074
        TRI      01071   1061
        TRYS     00031   1067
        TSUM     03335   700,720,722,727,751,765,767,774,2050,2055,2057
        TWO      03325   453
        ULTIM    01620   1612
        UNS1     01105   1104
        UNS2     01111
        UNSAT    02231   2260
        UNSTA    01104   1073
        WDONE    00531   463
        WORD1    03313
        WRES     02527   525
        XITRY    03557   175
        XANDY    30316   671
        XCENT    03560   206
        XNUMM    03446
        XXXX     03550   177,2623
        Y        03337   54
        YYYY     03551   673,2625
        ZERO     03323   355,1041,2276
        ZITER    00657   1135,1551,1576
        ZZZ      00423   414
```

REFERENCES TO VIRTUAL SYMBOLS.

BPOINT	4	2420
BTOP	7	1113,1552,1670,2405,2657,2667,2756,2764,2772,3000,3006
DUMMY1	12	3601
DUMMY2	13	3604
GPRT	6	2514
.CLOSE	26	500
.FBLT.	28	2620,2622,2624,2526,2630,2632,2634,2646
.FBST.	14	411
.FCNV.	25	433,435,437,1127,1131,1566,1570,1572,1704,1706,1743,1745,1764,1766,2565,2703,2716,2720,2722, 3025,3027,3031,3036,3040,3042,3047,3051,3053,3060,3062,3064,3071,3073,3075
.FEFT.	15	521
.FFIL.	11	233,440,472,506,516,1132,1516,1573,1707,1746,1767,2545,2566,2704,2723,2733,3076
.FPRN.	8	227,466,502,2541
.FWLR.	29	2653

SYMBOL REFERENCE DATA

.FWRB.	16	2613
.FWRD.	17	425,511,1121,1511,1560,1676,1733,1754,2557,2675,2710,2726,3014
.OPEN	22	66
.READ	23	70,145,443
.UNO3.	27	524,2616
.UNO6.	24	430,514,1124,1514,1563,1701,1736,1757,2562,2700,2713,2731,3017
NETCHG	5	103
RDNET	9	75
READCC	19	34
SQRT	18	2413
SYSLOC	21	10
TPCK	20	60
WRTNET	10	2533


```
$IBLDR READC                                          11/01/65   READ0000
$IBLDR TPCK1                                          11/01/65   TPCK0000
$IBLDR RDNET1                                         11/01/65   RDNE0000
$IBLDR WRTNE1                                         11/01/65   WRTN0000
$IBLDR GPRT1                                          11/01/65   GPRT0000
$IBLDR DUMMY1          22 OCT 64  20/34/53                       DUMMY100
$IBLDR DUMMY2          22 OCT 64  20/34/53                       DUMMY200
$IBLDR NETCH                                          06/22/65   NETC0000
$ENTRY        MAIN
```


OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

```
$ORIGIN       BEGINX                  IS LINK   1, PARENT LINK IS   0
$ORIGIN       BEGINX                  IS LINK   2, PARENT LINK IS   0
$ORIGIN       BEGINX                  IS LINK   3, PARENT LINK IS   0
$ORIGIN       BEGINX                  IS LINK   4, PARENT LINK IS   0
$ORIGIN       BETAXX,12288            IS LINK   5, PARENT LINK IS   4
$ORIGIN       GAMMAX,30000            IS LINK   6, PARENT LINK IS   5
```


* MEMORY MAP *

```
SYSTEM                                  00000 THRU  02717
FILE BLOCK ORIGIN                       02720
FILES      1.     UNIT01
           2.     UNIT03
           3.     UNIT04
           4.     UNIT08
           5.     UNIT09
           6.     UNIT10
           7.     UNIT11
           8.     UNIT12
           9.     FILE2
          10.     UNIT05
          11.     UNIT06
FILE LIST ORIGIN                        03124
PRE-EXECUTION INITIALIZATION            03152
CALL ON OBJECT PROGRAM                  03203
OBJECT PROGRAM                          03210 THRU  74057
```

```
LINK  DECK  ORIGIN      CONTROL SECTIONS  (/NAME/=NON 0 LENGTH, (LOC)=DELETED, *=NOT REFERENCED)

 0  UN01    03210       .UN01.  03210
    UN03    03211       .UN03.  03211
    UN04    03212       .UN04.  03212
    UN08    03213       .UN08.  03213
    UN09    03214       .UN09.  03214
    UN10    03215       .UN10.  03215
    UN11    03216       .UN11.  03216
    UN12    03217       .UN12.  03217
    MAIN    03220       MAIN    (03220)
    RDCC1   03332       RDCC    03566
    BTOF    03631       BTOF    (03631)    BTOF    (03631)
    BPOINT  03710       BPOINT  (03710)
    .LINK   03744      /.LDT   / 03744    /.LRECT/ 03753    /.LVEC / 03767
    .LXCON  04005       .LXSTR  04005      .LXSTP  04010      .LXOUT  04056      .LXRTN  04070      IBEXIT  04070 *
                        .LXCAL  04073 *    .LXERR  04073      .DBCLS  04255 *    .LXARG  04417      .LO     04440 *
                        .CLSE   04446      .LFBL   04447 *    .LUNB   04450      .DFOUT  04451
    .IODEF  04455       .DEFIN  04455      .ATTAC  04461 *    .CLOSE  04463      .OPEN   04465      .READ   04467
                        .WRITE  04471      .BSR    04501      .READR  04511      .RELES  04513 *    .LAREA  04524
                        .LFBLK  04542      .LTSX   04545 *    .AREA1  04557      .LUNBL  04565      .ENTRY  04571
                        .GOA    04622      .GO     04626      .DERR   04642      .NOPXI  04643      .COMXI  04645
                        .EX34   04667
    .LOVRY  04674       .LOVRY  (04674)    .LDT    (03744)    .LRECT  (03753)    .LVEC   (03767)
    .LXSL   05253       .LXSEL  05253      LXCSEL  05254      .LXTST  05257 *    .LXOVL  05317 *    .LXRCT  05330 *
                        .LXIND  05377      .LXDIS  05402      .LXFLG  05403      .LTCH   05404
    .FPTRP  05412       .FFPT.  05412 *    .FPOUT  05547      .FPARG  05555     /.COUNT/ 05557 *    OVFLOW  05623 *
    .ERAS.  05632       E.1     05632      E.2     05633      E.3     05634      E.4     05635
    .XCC.   05636       CC.1    05636      CC.2    05637      CC.3    05640      CC.4    05641
    XIT     05642       EXIT    05642      .EXIT.  05642
    FXEM    05643       FXEM    (05643)    .FXEM.  05646      .FXOUT  06206      .FXARG  06214     /.OPTN./ 06270 *
    FOUT    06301       .FOUT.  06301
    FCNV    06643       .FCON.  06643      .FCNV.  06664      .ENDFS  06671      .CNVSW  06674      .FDX1   06700
                        .FDX2   06701      .DBC    06703      .DBC10  07034      .DBC20  07072      .DDSW   07102
                        .FIXSW  07105      .DDBC   07143      .DDFIX  07264      .DDRS1  07460      .DDRS2  07462 *
                        .D1     07465      .D2     07467      .ANPT   07544      .ONPT   07561      .LNTP   07637

            IBLDR                                                   11/19/65                                   PAGE  57

                        .AOUT   07706      .OOUT   07717      .LOUT   07746      .DFLT   07756      .FLT    10273
                        .FXFL1  10400      .FXD    10404      .FXFL2  10407      .FXFL3  10413      .INTG   10417
                        .TOPAC  10435      .WIDTH  10441      .FPACK  10446      .TEST   10447      .KOUNT  10502
                        .LIST   10505      .DONE   10513      .OUTBF  11202      .CHAR   11434      .FBDBF  11447
                        .DDOFL  11476      .DDFLG  11477      .WORD   11500      .MQD    11501      .PEX    11502
                        .FEXP   11503      .DIG    11504      .DEXPN  11505
    FIOB    11523       .FIOB.  11523      .FCNT   11624      .FWLT.  11722      .FBDT.  11742      .FRLR.  11766
                        .FRLR.  (11766)    .FWLR.  12032      .FWLR.  (12032)    .FBIBF  12072      .FRITE  12166
    FIOS    12175       .FIOS.  12175      .FSEL.  12335      .FILR.  12341 *    .FRTB.  12350      .FRTD.  12355
                        .FILL.  12360      .FCLS   12362 *    .FUPN   12366 *    REOF    12372 *    .TOUT.  12535
                        .REED   12543 *    .BIN    12544 *    .FCT    12545      .FCKSZ  12547
    FIOH    12631       .FIOH.  12631      .FFIL.  13472      .FRTN.  13520
    FWRD    13672       .FWRD.  13672
    FWRB    13716       .FWRB.  13716
    FRDD    13742       .FRDD.  13742
    FRDB    13770       .FRDB.  13770
    FPRN    14014       .FPRN.  14014
    .UN02.  14152       .UN02.  (14152)
    UN05    14153       .UN05.  14153
    UN06    14154       .UN06.  14154      .BUFSZ  14155
    .UN07.  14160       .UN07.  (14160)
    .UN13.  14161       .UN13.  (14161)
    .UN14.  14162       .UN14.  (14162)
    .UN15.  14163       .UN15.  (14163)
    .UN16.  14164       .UN16.  (14164)
    .UN17.  14165       .UN17.  (14165)
    .UN18.  14166       .UN18.  (14166)
    FSQR    14167       SQRT    14167
    FBST    14242       .FBST.  14242
    FEFT    14463       .FEFT.  14463
    FRWT    14563       .FRWT.  14563
    FSLBI   14662       .FBLI.  14700      .FBDI.  14706 *
    FSLI    14720       .SLI.   14720      .SLI1.  14725      .SDI.   14733      .SDI1.  147-
    FSLDO   14757       .FSLO.  14775      .FSDO.  15003 *
    FSLBO   15014       .FBLO.  15032      .FBDO.  15040 *
    FSLO    15052       .SLO.   15052      .SLO2.  15060      .SDO.   15065      .SDO2.  15077
    FVIO    15111       .FVIO.  15111
    .IOCS   15235       .L(0)   15235      .MONSW  15255      .TEOR   15324      .DEFI.  15404      .JOINX  15450 *
                        .CLOS.  15467      .ATTC.  15502      .SH1    15714 *    .SH9    15756 *    .OPEN.  15777
                        .OP4    16025 *    .OP7    16056 *    .OP9.2  16072 *    .RLSE.  16136      .RER2.  16136
                        .READ.  16137      .RER1.  16162      .WRIT.  16164      .HNT1A  16352 *    .EOFFX  16433 *
                        .FEEIT  16503      .GTIOX  16524      .RW7    16642 *    .RE7    17261 *    .EHDTR  17722
                        .SEL59  17724 *    .BSR.   20335      .EOTOF  20460      .ETOF3  20466 *    .SWITC  2051-
                        .TCHEX  21016      .BASIO  21021 *
    .IOCSM  21022

 1  NETGEN  21022       NETGEN  (21022)    NETGEN  (21022)
    ISUMA1  31305       ISUMA   31336
    GENXY1  31360       GENXY   32657
    PUTRE   32721       PUTREC  32756
    CONEC   33004       CONECT  33235
    RSFLI1  33350       RSFLI   34220

 2  IPTCO   21022       IPTCON  22524

 3  META1   21022       METASI  32372
```

```
    NETA2   32414        NETAS2  34153

 4  NETSIM  21022        NETSIM (21022)    NETSIM (21022)
    READC   24644        READCC  25256
    TPCK    25376        TPCK    25545
    RDNET1  25573        RDNET   25712
    WRTNET  25740        WRTNET  26367
    GPRT1   26117        GPRT    26441

 5  DUMMY1  30000        DUMMY1 (30000)

 6  DUMMY2  72460        DUMMY2 (72460)
    NETCH   72500        NETCHG  73746

I/O BUFFERS                          74060 THRU  77763

UNUSED CORE                          77764 THRU  77777
CONTROL CARD
    READOP= 2
    NUMIN= 36
    NAMES=  12
EYS=000000100000
SM=7


NETWORK SPECIFICATIONS


NO. OF LEVELS= 2
DY=   0.599999994
EPSLN=   0.099999994
NSTEP= 0.100000
GSAT=1.0000000
COMG=0.5000000


READY CONTROL CARD

000000000ICINP2  MAX  1  0 03  -0  12  12  12   1  -0  -0  -0  -0
      READOP=   2
      NUMIN,  36
      NAMES=  12
MINPS=000000000014       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.12086539
    **  CONTROL=00C000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.24960235
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37833931
    **  CONTROL=00C000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31397083
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.28178661
    **  CONTROL=00C000000007
          5 BIAS CHANGES

        LEVEL   1    MS =     0.20000 00    BIAS =    -0.28178661

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.0560676    2. 1     0.           3. 1     0.           4. 1     0.0300034    5. 1     0.7346227
         6. 1     0.2043122    7. 1     0.0128890    8. 1     0.2171668    9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.1767785
        16. 1     0.1134861   17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.2201116   24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.2503265   28. 1     0.          29. 1     0.          30. 1     0.
        31. 1     0.0112631   32. 1     0.          33. 1     0.          34. 1     0.2442960   35. 1     0.7063614
        36. 1     0.4982831   37. 1     0.          38. 1     0.          39. 1     0.1623816   40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.0819620   48. 1     0.3509638   49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.2283224   55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     0.          62. 1     0.0639053   63. 1     0.          64. 1     0.1142501   65. 1     0.
        66. 1     0.3036441   67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.37386951
    **  CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.37386951

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.5584523    2. 2     0.4415477    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.55845
SUM NO.   2 IS    0.44155

***   1    INPUT H1        INDENTIFICATION CORRECT
MINPS=000000000013       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.34493962
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.84164593
    **  CONTROL=00C000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.33835223
```

```
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.08999908
   ** CONTROL=000000000007
        4 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -1.08999908

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1    0.2468480     2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
       6. 1    0.            7. 1     0.4122943     8. 1     0.            9. 1     0.           10. 1     0.
      11. 1    0.6442276    12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1    0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.8963225
      21. 1    0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
      26. 1    0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.4093587
      31. 1    0.3346429    32. 1     0.1332881    33. 1     0.           34. 1     0.           35. 1     0.
      36. 1    0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
      41. 1    0.           42. 1     0.           43. 1     0.6878108    44. 1     0.           45. 1     0.
      46. 1    0.           47. 1     0.           48. 1     0.           49. 1     0.1454929    50. 1     0.
      51. 1    0.           52. 1     0.           53. 1     0.           54. 1     0.4098358    55. 1     0.
      56. 1    0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
      61. 1    0.7008188    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
      66. 1    0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
      71. 1    0.           72. 1     0.2600507     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.95383812
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.72691907
   ** CONTROL=000000000007
        3 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.72691907

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2    0.2696456     2. 2     0.7083905     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.26965
SUM NO.   2 IS    0.70839

***   2    INPUT V1        INDENTIFICATION CORRECT
MINPS=000000000012      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.09492627
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.21236171
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.32979715
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.27107944
   ** CONTROL=000000000007
        4 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -0.27107944

      COMP     OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1.      0.            2. 1     0.            3. 1     0             4. 1     0.0707964     5. 1     0.2800895
       6. 1    0.            7. 1     0.0560868     8. 1     0.            9. 1     0.           10. 1     0.
      11. 1    0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1    0.           17. 1     0.           18. 1     0.           19. 1     0.0890306    20. 1     0.
      21. 1    0.0454879    22. 1     0.4217470    23. 1     0.           24. 1     0.           25. 1     0.1459005



      26. 1    0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
      31. 1    0.           32. 1     0.2113044    33. 1     0.1419679    34. 1     0.           35. 1     0.
      36. 1    0.2710391    37. 1     0.           38. 1     0.7324083    39. 1     0.           40. 1     0.
      41. 1    0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
      46. 1    0.           47. 1     0.           48. 1     0.0811255    49. 1     0.           50. 1     0.
      51. 1    0.           52. 1     0.           53. 1     0.           54. 1     0.1660610    55. 1     0.
      56. 1    0.           57. 1     0.4613309    58. 1     0.           59. 1     0.           60. 1     0.1833485
      61. 1    0.           62. 1     0.           63. 1     0.5178607    64. 1     0.4800267    65. 1     0.
      66. 1    0.           67. 1     0.           68. 1     0.2497721    69. 1     0.           70. 1     0.
      71. 1    0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.43167292
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.86334586
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.64750940
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.75542763
   ** CONTROL=000000000007
        4 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.75542763

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2    0.8920818     2. 2     0.1064920     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.89208
SUM NO.   2 IS    0.10649

***   3    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.35124192
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.77137485
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.19150779
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.98144132
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.08647455
   **   CONTROL=000000000007
          5 BIAS CHANGES

        LEVEL   1     MS =     0.20000000     BIAS =     -1.08647455

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
        16. 1      0.6318640    17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.
        21. 1      0.           22. 1      0.           23. 1      0.1246036    24. 1      0.6001412    25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.4305101    30. 1      0.
        31. 1      0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.           37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
        41. 1      0.6577417    42. 1      0.8258348    43. 1      0.           44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.4424371    48. 1      0.3559653    49. 1      0.           50. 1      0.
        51. 1      0.           52. 1      0.           53. 1      0.0575133    54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.2972596    58. 1      0.           59. 1      0.           60. 1      0.0974367
        61. 1      0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1      0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.


        71. 1      0.1416042    72. 1      0.0130649     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.38282470
   **   CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2     MS =     0.01000000     BIAS =      0.38282470

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.6171753     2. 2      0.3576731     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.61718
SUM NO.   2 IS     0.35767

***   4    INPUT V2        IDENTIFICATION  INCORRECT.
MINPS=000000000011      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.32710445
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.70744336
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.08778226
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.89761281
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.99269754
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.94515517
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1     MS =     0.20000000     BIAS =     -0.94515517

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.0660943     5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
        16. 1      0.5057980    17. 1      0.           18. 1      0.           19. 1      0.0792052    20. 1      0.
        21. 1      0.           22. 1      0.           23. 1      0.1863207    24. 1      0.5314023    25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.3502648    30. 1      0.
        31. 1      0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.           37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
        41. 1      0.5602327    42. 1      0.9751018    43. 1      0.           44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.3277916    48. 1      0.3174058    49. 1      0.           50. 1      0.
        51. 1      0.           52. 1      0.           53. 1      0.1505861    54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.2866554    58. 1      0.0869453    59. 1      0.           60. 1      0.1710345
        61. 1      0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1      0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
        71. 1      0.1714049    72. 1      0.1685986     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.10535453
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.21070910
   **   CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   2     MS =     0.01000000     BIAS =      0.21070910

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.            2. 2      1.0000000     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.00000


***   5    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.10253797
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.23771323
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37288849
    **  CONTROL=000000000003
LEVE    1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30530086
    **  CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.30530086

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.2177785    8. 1     0.           9. 1     0.          10. 1     0.5601566
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.1406946   19. 1     0.          20. 1     0.
        21. 1     0.2803529   22. 1     0.5124598   23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.4716786   29. 1     0.1876866   30. 1     0.
        31. 1     0.          32. 1     0.0326338   33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.5483770   39. 1     0.          40. 1     0.1796009
        41. 1     0.0079907   42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.3497322   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.1431412
        56. 1     0.          57. 1     0.4576093   58. 1     0.1993753   59. 1     0.          60. 1     0.2071332
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.3865726
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.23352690
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.46705382
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.46705382

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     1.0000000    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.00000
SUM NO.   2 IS    0.

***   6    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.45862404
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.95151506
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.44440609
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.19796059
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.07473783
    **  CONTROL=000000000007


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.13634920
    **  CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.13634920

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.1578111    4. 1     0.5258948    5. 1     0.0646013
         6. 1     0.6485136    7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.7981276
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.3532034   19. 1     0.          20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.1111967   24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.3002881   29. 1     0.1366763   30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.6196771
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.1633742   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.0666302   53. 1     0.0349779   54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.1198808   60. 1     0.4180502
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
         0 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     1.0787559    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.07876
SUM NO.   2 IS    0.

***   7    INPUT V3        IDENTIFICATION  INCORRECT.
MINPS=000000000007      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43176268
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.89692625
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.36208983
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.12950805
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01321717
    **  CONTROL=000000000007
        5 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -1.01321717

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.           3. 1    0.2040289    4. 1    0.4725170    5. 1    0.2007301
  6. 1    0.5400902    7. 1    0.           8. 1    0.           9. 1    0.           10. 1   0.8772317
 11. 1    0.          12. 1    0.          13. 1    0.          14. 1    0.           15. 1   0.
 16. 1    0.          17. 1    0.          18. 1    0.3210907   19. 1    0.           20. 1   0.
 21. 1    0.          22. 1    0.          23. 1    0.1835963   24. 1    0.           25. 1   0.
 26. 1    0.          27. 1    0.0447666   28. 1    0.2904099   29. 1    0.1696606    30. 1   0.
 31. 1    0.          32. 1    0.          33. 1    0.          34. 1    0.           35. 1   0.
 36. 1    0.          37. 1    0.          38. 1    0.          39. 1    0.           40. 1   0.5307168
 41. 1    0.0356478   42. 1    0.          43. 1    0.          44. 1    0.           45. 1   0.0684806
 46. 1    0.1911720   47. 1    0.          48. 1    0.          49. 1    0.           50. 1   0.


 51. 1    0.          52. 1    0.1491471   53. 1    0.1528167   54. 1    0.           55. 1   0.
 56. 1    0.          57. 1    0.0990251   58. 1    0.          59. 1    0.1987714    60. 1   0.2983401
 61. 1    0.          62. 1    0.          63. 1    0.          64. 1    0.           65. 1   0.
 66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.0095164    70. 1   0.0540399
 71. 1    0.0280449   72. 1    0.           0. 0    0.           0. 0    0.            0. 0   0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=005000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    99.43409157
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    49.96704578
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    25.23352289
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    12.86676145
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     6.68338072
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     3.59169039
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     2.04584521
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.27292264
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.88646135
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.07969199
   ** CONTROL=000000000007
     11 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     1.07969199

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2    0.4649660    2. 2    0.5847204    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    0.46497
SUM NO.   2 IS    0.58472

***   8    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.07283637
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.17165539
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.27047440
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.22106490
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.19636014
   ** CONTROL=000000000007
     5 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -0.19636014

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.           3. 1    0.0521838    4. 1    0.           5. 1    0.
  6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.1311260    10. 1   0.4177594
 11. 1    0.          12. 1    0.0166235   13. 1    0.          14. 1    0.3317534    15. 1   0.
 16. 1    0.2981156   17. 1    0.0254341   18. 1    0.3585235   19. 1    0.2477063    20. 1   0.
 21. 1    0.          22. 1    0.          23. 1    0.          24. 1    0.           25. 1   0.


 26. 1    0.          27. 1    0.2505631   28. 1    0.3396001   29. 1    0.1258512    30. 1   0.0840365
 31. 1    0.          32. 1    0.          33. 1    0.          34. 1    0.           35. 1   0.
 36. 1    0.          37. 1    0.2526452   38. 1    0.          39. 1    0.           40. 1   0.
 41. 1    0.          42. 1    0.          43. 1    0.          44. 1    0.           45. 1   0.
 46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.0267182    50. 1   0.
 51. 1    0.          52. 1    0.5442357   53. 1    0.          54. 1    0.           55. 1   0.1354197
 56. 1    0.0974203   57. 1    0.          58. 1    0.          59. 1    0.3154006    60. 1   0.
 61. 1    0.          62. 1    0.          63. 1    0.          64. 1    0.           65. 1   0.2764782
 66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.2178328    70. 1   0.3918594
 71. 1    0.0094101   72. 1    0.           0. 0    0.           0. 0    0.            0. 0   0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.41092080
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.82184163
   ** CONTROL=000000000003
     2 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     0.82184163

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
 1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

***   9    INPUT H4        IDENTIFICATION  INCORRECT.
MINPS=000000000006      NCYCS=000000000013      INDICT=000000000001


        0 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
 1. 1     0.           2. 1     0.           3. 1     0.1922597    4. 1     0.0313555    5. 1     0.
 6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.1866879   10. 1     0.1997232
11. 1     0.          12. 1     0.1760588   13. 1     0.          14. 1     0.2538983   15. 1     0.
16. 1     0.3171718   17. 1     0.1801726   18. 1     0.1772898   19. 1     0.1630923   20. 1     0.0403540
21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
26. 1     0.0463079   27. 1     0.3259604   28. 1     0.1112901   29. 1     0.1486238   30. 1     0.1488124
31. 1     0.0184079   32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
36. 1     0.          37. 1     0.2493038   38. 1     0.          39. 1     0.0827000   40. 1     0.1359526
41. 1     0.          42. 1     0.          43. 1     0.0590295   44. 1     0.0157090   45. 1     0.0616079
46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.2354236   50. 1     0.
51. 1     0.0528629   52. 1     0.2120585   53. 1     0.0135135   54. 1     0.          55. 1     0.1737688
56. 1     0.1129079   57. 1     0.          58. 1     0.          59. 1     0.1612224   60. 1     0.0541117
61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.2550384
66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.2706645   70. 1     0.1993510
71. 1     0.2701586   72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.50000000
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.00000000
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.25000000
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.12500000
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.18750000
   **   CONTROL=000000000005
        6 BIAS CHANGES


LEVEL   2    MS =     0.01000000    BIAS =     1.18750000

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
 1. 2     0.3322678    2. 2     0.6790079    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.33227
SUM NO.   2 IS    0.67901

***  10    INPUT H4        IDENTIFICATION  INCORRECT.
MINPS=000000000006      NCYCS=000000000012      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.05539745
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.12679400
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.09109573
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.10894486
   **   CONTROL=000000000007
        4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.10894486

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
 1. 1     0.           2. 1     0.           3. 1     0.0691843    4. 1     0.0919082    5. 1     0.
 6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.0881039   10. 1     0.1154515
11. 1     0.          12. 1     0.1375534   13. 1     0.          14. 1     0.1573900   15. 1     0.0264341
16. 1     0.2791287   17. 1     0.1448340   18. 1     0.1265072   19. 1     0.1205598   20. 1     0.0898488
21. 1     0.1029349   22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
26. 1     0.0756204   27. 1     0.2840285   28. 1     0.1025498   29. 1     0.0932757   30. 1     0.1202169
31. 1     0.1071086   32. 1     0.          33. 1     0.          34. 1     0.0327698   35. 1     0.
36. 1     0.          37. 1     0.1102325   38. 1     0.          39. 1     0.1729473   40. 1     0.0980661
41. 1     0.          42. 1     0.          43. 1     0.1310935   44. 1     0.0814200   45. 1     0.1152903
46. 1     0.          47. 1     0.0137487   48. 1     0.          49. 1     0.1195927   50. 1     0.
51. 1     0.1382921   52. 1     0.0914446   53. 1     0.1217832   54. 1     0.          55. 1     0.1166225
56. 1     0.1255116   57. 1     0.          58. 1     0.          59. 1     0.1183386   60. 1     0.0639020
61. 1     0.0585314   62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.1825791
66. 1     0.          67. 1     0.1264138   68. 1     0.          69. 1     0.1996759   70. 1     0.1005373
71. 1     0.1812586   72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     2.87072501
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.68536252
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.09268127
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.79634066
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.94451097
   **   CONTROL=000000000007
        6 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     0.94451097

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2    0.5327831    2. 2    0.5304108    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    0.53278
SUM NO.   2 IS    0.53041

*** 11    INPUT M4        IDENTIFICATION CORRECT
MINPS=000000000005      NCYCS=000000000014      INDICT 000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38494562
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.81701490
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25068419
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03424954
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.14246686
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.08835821
   ** CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.08835821

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.           3. 1    0.6246995    4. 1    0.           5. 1    0.
  6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.           10. 1    0.
 11. 1    0.          12. 1    0.          13. 1    0.           14. 1    0.          15. 1    0.4597136
 16. 1    0.          17. 1    0.          18. 1    0.0847725    19. 1    0.          20. 1    0.
 21. 1    0.          22. 1    0.1234835   23. 1    0.           24. 1    0.          25. 1    0.
 26. 1    0.          27. 1    0.          28. 1    0.0935916    29. 1    0.          30. 1    0.
 31. 1    0.          32. 1    0.          33. 1    0.           34. 1    0.          35. 1    0.
 36. 1    0.          37. 1    0.          38. 1    0.4910316    39. 1    0.          40. 1    0.
 41. 1    0.          42. 1    0.          43. 1    0.           44. 1    0.          45. 1    0.3998046
 46. 1    0.4561374   47. 1    0.          48. 1    0.           49. 1    0.          50. 1    0.1712477
 51. 1    0.6233291   52. 1    0.2968858   53. 1    0.           54. 1    0.          55. 1    0.
 56. 1    0.1136834   57. 1    0.          58. 1    0.           59. 1    0.          60. 1    0.
 61. 1    0.          62. 1    0.          63. 1    0.           64. 1    0.          65. 1    0.
 66. 1    0.          67. 1    0.5653044   68. 1    0.           69. 1    0.1804201   70. 1    0.
 71. 1    0.          72. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
      0 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2    0.9321211    2. 2    0.           0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    0.93212
SUM NO.   2 IS    0.

*** 12    INPUT V4        IDENTIFICATION  INCORRECT.
MINPS=000000000005      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.34284951
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.73555188
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.12825425
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.93190306
   ** CONTROL=000000000007
      4 BIAS CHANGES


LEVEL   1    MS =     0.20000000    BIAS =    -0.93190306

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.           3. 1    0.5741462    4. 1    0.           5. 1    0.
  6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.          10. 1    0.
 11. 1    0.          12. 1    0.          13. 1    0.           14. 1    0.          15. 1    0.3563718
 16. 1    0.          17. 1    0.          18. 1    0.1899049    19. 1    0.          20. 1    0.
 21. 1    0.          22. 1    0.2065566   23. 1    0.           24. 1    0.          25. 1    0.
 26. 1    0.          27. 1    0.          28. 1    0.2040720    29. 1    0.          30. 1    0.
 31. 1    0.          32. 1    0.          33. 1    0.           34. 1    0.1371602   35. 1    0.
 36. 1    0.          37. 1    0.          38. 1    0.5238988    39. 1    0.          40. 1    0.
 41. 1    0.          42. 1    0.          43. 1    0.           44. 1    0.          45. 1    0.3198855
 46. 1    0.3641348   47. 1    0.          48. 1    0.           49. 1    0.          50. 1    0.2364838
 51. 1    0.5410770   52. 1    0.2464258   53. 1    0.           54. 1    0.          55. 1    0.
 56. 1    0.1792058   57. 1    0.          58. 1    0.           59. 1    0.          60. 1    0.
 61. 1    0.          62. 1    0.          63. 1    0.           64. 1    0.          65. 1    0.
 66. 1    0.0838482   67. 1    0.3614234   68. 1    0.           69. 1    0.2247031   70. 1    0.
 71. 1    0.          72. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     2.05901082
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.27900542
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.88950272
   ** CONTROL=000000000007
      4 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     0.8R950272

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2    0.3585173     2. 2    0.632455a      0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.35852
SUM NO.   2 IS   0.63246

*** 13    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.04710290
   **   CONTROL J00000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.12713496
   **   CONTROL=000000000003
          2 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     -0.12713496

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1    0.            2. 1    0.1816023      3. 1    0.5510946      4. 1    0.            5. 1    0.
  6. 1    0.0521366     7. 1    0.             8. 1    0.             9. 1    0.            10. 1   0.
 11. 1    0.            12. 1   0.             13. 1   0.2710083      14. 1   0.1980502     15. 1   0.
 16. 1    0.            17. 1   0.3415904      18. 1   0.0173994      19. 1   0.            20. 1   0.2170927
 21. 1    0.            22. 1   0.             23. 1   0.             24. 1   0.6924614     25. 1   0.
 26. 1    0.            27. 1   0.             28. 1   0.             29. 1   0.            30. 1   0.0253985
 31. 1    0.            32. 1   0.             33. 1   0.             34. 1   0.            35. 1   0.
 36. 1    0.            37. 1   0.5196683      3a. 1   0.             39. 1   0.            40. 1   0.
 41. 1    0.            42. 1   0.1309806      43. 1   0.0008648      44. 1   0.            45. 1   0.3634545
 46. 1    0.0899530     47. 1   0.             48. 1   0.             49. 1   0.2972793     50. 1   0.1666115
 51. 1    0.            52. 1   0.             53. 1   0.0790243      54. 1   0.            55. 1   0.
 56. 1    0.2835648     57. 1   0.             58. 1   0.             59. 1   0.            60. 1   0.

 61. 1    0.0281749     62. 1   0.             63. 1   0.             64. 1   0.            65. 1   0.0681502
 66. 1    0.            67. 1   0.1694535      68. 1   0.             69. 1   0.1845209     70. 1   0.
 71. 1    0.1733983     72. 1   0.1187672      0. 0    0.             0. 0    0.            0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.39534302
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.53652395
   **   CONTROL=000000000003
          2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.53652395

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2    0.3284628     2. 2    0.7458379      0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.32846
SUM NO.   2 IS   0.74584

*** 14    INPUT H5        IDENTIFICATION  INCORRECT.
MINPS=000000000004        NCYCS=000000000013        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.02200320
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.05705230
   **   CONTROL=000000000003
          2 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.05705230

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1    0.            2. 1    0.1523150      3. 1    0.2098614      4. 1    0.            5. 1    0.
  6. 1    0.2006753     7. 1    0.             8. 1    0.0004455      9. 1    0.0024223     10. 1   0.
 11. 1    0.            12. 1   0.0152261      13. 1   0.2411326      14. 1   0.1406240     15. 1   0.
 16. 1    0.            17. 1   0.2406905      18. 1   0.1344568      19. 1   0.            20. 1   0.1656543
 21. 1    0.            22. 1   0.             23. 1   0.             24. 1   0.0970142     25. 1   0.
 26. 1    0.            27. 1   0.             28. 1   0.             29. 1   0.            30. 1   0.2282497
 31. 1    0.            32. 1   0.             33. 1   0.             34. 1   0.0170504     35. 1   0.
 36. 1    0.            37. 1   0.1386516      38. 1   0.             39. 1   0.            40. 1   0.
 41. 1    0.            42. 1   0.1522681      43. 1   0.1757098      44. 1   0.0719530     45. 1   0.2221966
 46. 1    0.2288219     47. 1   0.0214583      46. 1   0.             49. 1   0.1397077     50. 1   0.1835398
 51. 1    0.            52. 1   0.0830109      53. 1   0.2002953      54. 1   0.            55. 1   0.
 56. 1    0.2878854     57. 1   0.             58. 1   0.             59. 1   0.0892658     60. 1   0.
 61. 1    0.2337017     62. 1   0.             63. 1   0.             64. 1   0.            65. 1   0.2126038
 66. 1    0.0141479     67. 1   0.1987549      68. 1   0.             69. 1   0.1306828     70. 1   0.
 71. 1    0.1573295     72. 1   0.2900099      0. 0    0.             0. 0    0.            0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.41658786
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.83317573
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.62438180
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.72902876
   **   CONTROL=000000000007
          4 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.72902876

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2    0.2014424     2. 2    0.8958530      0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.20144
SUM NO.   2 IS   0.89585
```

```
*** 15    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=00000000004       NCYCS=000000C00012       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06685187
    **  CONTROL=0CC000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.44375218
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OU  OF RANGE, NEW BIAS =      0.25530203
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.16107695
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20818949
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.18463323
    **  CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.18463323

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     C.            2. 1     0.1400798     3. 1     0.0961698     4. 1     0.            5. 1     0.
         6. 1     0.1179028     7. 1     0.            8. 1     0.1255105     9. 1     0.1098007    10. 1     0.
        11. 1     0.0033675    12. 1     0.1247701    13. 1     0.1641105    14. 1     0.1391879    15. 1     0.1355497
        16. 1     0.0177969    17. 1     0.0857618    18. 1     0.1430964    19. 1     0.           20. 1     0.1029299
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.1297694    25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.0605081    30. 1     0.1663611
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1382964    35. 1     0.
        36. 1     0.           37. 1     0.0947808    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     C.1270898    42. 1     0.1659642    43. 1     0.1306118    44. 1     0.1546223    45. 1     0.1392560
        46. 1     0.1733222    47. 1     0.1465658    48. 1     0.           49. 1     0.1502012    50. 1     0.1312777
        51. 1     C.           52. 1     0.1230704    53. 1     0.1659312    54. 1     0.           55. 1     0.0735214
        56. 1     0.1035204    57. 1     0.           58. 1     0.           59. 1     0.0903965    60. 1     0.
        61. 1     C.2244854    62. 1     [illegible]  63. 1     0.0574682    64. 1     0.           65. 1     0.2078564
        66. 1     0.1370503    67. 1     0.1788554    68. 1     0.           69. 1     0.1528969    70. 1     0.
        71. 1     0.1583944    72. 1     0.1198443     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.47480924
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.94961852
    **  CONTROL=00C000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.71221389
    **  CONTROL=000000000007
          3 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.71221389

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     C.1636015     2. 2     0.7625954     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.16360
SUM NO.   2 IS    0.76260

*** 16    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000011       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.[illegible]43
    **  CONTROL=00C000000001
LEVEL   1 OUTPUT OUT OF RANGE  NEW BIAS =     11.33837390
    **  CONTROL=000000000003


ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      5.70390916
    **  CONTROL=000000000003
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.88667682
    **  CONTROL=000000000003
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.47806063
    **  CONTROL=000000000003
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.77375254
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.42159849
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.24552147
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.33355998
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.28954072
    **  CONTROL=00C000000007
          10 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.28954072

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.0457993     2. 1     0.0973878     3. 1     0.0926933     4. 1     0.            5. 1     0.
         6. 1     0.1130584     7. 1     C.            8. 1     0.0990499     9. 1     0.1565528    10. 1     0.
        11. 1     0.0942421    12. 1     0.1179854    13. 1     0.0773575    14. 1     0.1136322    15. 1     0.0683884
        16. 1     0.1114789    17. 1     0.1116507    18. 1     0.1239336    19. 1     0.0951266    20. 1     0.1159474
        21. 1     0.           22. 1     0.           23. 1     0.0498775    24. 1     0.0709221    25. 1     0.
        26. 1     0.0652269    27. 1     0.           28. 1     0.           29. 1     0.1011413    30. 1     0.1073644
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1232488    35. 1     0.
        36. 1     0.           37. 1     0.0603324    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.1004208    42. 1     0.1207321    43. 1     0.1195559    44. 1     0.1232398    45. 1     0.1049598
        46. 1     C.1020751    47. 1     0.1295748    48. 1     0.           49. 1     0.1137177    50. 1     0.0514107
        51. 1     0.           52. 1     0.0967120    53. 1     0.1374993    54. 1     0.           55. 1     0.1334447
        56. 1     0.0998892    57. 1     0.           58. 1     0.           59. 1     0.1042727    60. 1     0.
        61. 1     0.1976135    62. 1     0.           63. 1     0.0985513    64. 1     0.           65. 1     0.1208499
        66. 1     C.1058479    67. 1     0.0855711    68. 1     0.           69. 1     0.1130746    70. 1     0.
        71. 1     0.1081267    72. 1     0.1210790     0. 0     0.            0. 0     0.            0. 0     0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.47183390
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.98591696
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.74295849
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.86443771
   ** CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.86443771

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.4464653    2. 2     0.6221224    0. 0     0.           0. 0     ..           0. 0     0.
SUM NO.   1 IS    0.44647
SUM NO.   2 IS    0.62212

*** 17    INPUT H5        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000010      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     18.74037457
   ** CONTROL=000000000003
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      9.47435391
   ** CONTROL=000000000003
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      4.84134364
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.52483848
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.36658591
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.78745963
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.49789649
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.35311493
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.42550571
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.38931033
   ** CONTROL=000000000007
        12 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.38931033

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.1284265    2. 1     0.1057373    3. 1     0.1002096    4. 1     0.0727934    5. 1     0.
         6. 1     0.1053948    7. 1     0.           8. 1     0.0862591    9. 1     0.[illegible]59283   10. 1     0.
        11. 1     0.1225451   12. 1     0.0817891   13. 1     0.0846848   14. 1     0.[illegible]54251   15. 1     0.1009914
        16. 1     0.1393000   17. 1     0.0923342   18. 1     0.1147075   19. 1     0.0898567   20. 1     0.0967452
        21. 1     0.          22. 1     0.          23. 1     0.1154202   24. 1     0.0882325   25. 1     0.0688479
        26. 1     0.1141355   27. 1     0.0301127   28. 1     0.          29. 1     0.1045309   30. 1     0.1016495
        31. 1     0.0022486   32. 1     0.0318302   33. 1     0.          34. 1     0.1122544   35. 1     0.
        36. 1     0.          37. 1     0.0954619   38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.0840974   42. 1     0.0959210   43. 1     0.1213466   44. 1     0.1024306   45. 1     0.0961163
        46. 1     0.0690428   47. 1     0.1165127   48. 1     0.          49. 1     0.0973273   50. 1     0.0780717
        51. 1     0.          52. 1     0.1238957   53. 1     0.1335319   54. 1     0.          55. 1     0.1329392
        56. 1     0.0852917   57. 1     0.          58. 1     0.          59. 1     0.1202564   60. 1     0.
        61. 1     0.1658866   62. 1     0.          63. 1     0.0932234   64. 1     0.          65. 1     0.0925953
        66. 1     0.1048335   67. 1     0.0885032   68. 1     0.0431649   69. 1     0.0974545   70. 1     0.
        71. 1     0.0094511   72. 1     0.1034946    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.33598762
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.91799481
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.70899741
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.81349611


   ** CONTROL 000000000007
        5 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.81349611

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.5295500    2. 2     0.4716966    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.52955
SUM NO.   2 IS    0.47170

*** 18    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38540535
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.83701277
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.28862019
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06281649
   **  CONTROL=000000000007
        4 BIAS CHANGES

       LEVEL   1    MS =     0.20000000    BIAS =    -1.06281649

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.3531490    3. 1     0.           4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.3268355    9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.2332335   15. 1     0.
       16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
       21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
       26. 1     0.7149817   27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
       31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.6485812   35. 1     0.
       36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.5302852   40. 1     0.
       41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
       46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.5513875
       51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.1025222
       56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
       61. 1     0.          62. 1     0.          63. 1     0.3747192   64. 1     0.2677387   65. 1     0.0862084
       66. 1     0.0904917   67. 1     0.6152571   68. 1     0.          69. 1     0.          70. 1     0.
       71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.22871871
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.45743744
   **  CONTROL=000000000003
        2 BIAS CHANGES

       LEVEL   2    MS =     0.01000000    BIAS =     0.45743744

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2     1.0000000    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.00000
SUM NO.   2 IS    0.

*** 19    INPUT V5        IDENTIFICATION  INCORRECT.
MINPS=000000000003      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35229295
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.76893985
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.18558675
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97726330
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.87310158
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92518243
   **  CONTROL=000000000007
        6 BIAS CHANGES

       LEVEL   1    MS =     0.20000000    BIAS =    -0.92518243

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.2625197    3. 1     0.           4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.3121213    9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.2466887   15. 1     0.
       16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
       21. 1     0.0743468   22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
       26. 1     0.5896319   27. 1     0.          28. 1     0.          29. 1     0           30. 1     0.
       31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.5753982   35. 1     0.
       36. 1     0.          37. 1     0.          38. 1     0.0013580   39. 1     0.3786416   40. 1     0.
       41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.1529161   45. 1     0.
       46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.4241861
       51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.1988973
       56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
       61. 1     0.          62. 1     0.          63. 1     0.3072568   64. 1     0.2800727   65. 1     0.2023373
       66. 1     0.1925404   67. 1     0.5435665   68. 1     0.          69. 1     0.          70. 1     0.
       71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     9.53140476
   **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     5.01570213
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     2.75785106
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.62892555
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.06446278
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.34669416
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.48780984
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.41725200
   **  CONTROL=000000000007
        9 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     1.41725200

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.0669115    2. 2     0.9697162    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.06691
SUM NO.   2 IS    0.96971

*** 20    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.06555659
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.13343181
   ** CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -0.13343181

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.           2. 1     0.2401834    3. 1     0.0613534    4. 1     0.           5. 1     0.
  6. 1     0.5787833    7. 1     0.           8. 1     0.5359581    9. 1     0.5033501   10. 1     0.
 11. 1     0.0777799   12. 1     0.          13. 1     0.3998807   14. 1     0.3242249   15. 1     0.
 16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.0327537
 21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.0353073   25. 1     0.0564746
 26. 1     0.1958067   27. 1     0.1375144   28. 1     0.          29. 1     0.          30. 1     0.
 31. 1     0.1886524   32. 1     0.          33. 1     0.          34. 1     0.1285426   35. 1     0.0296700
 36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
 41. 1     0.          42. 1     0.0843540   43. 1     0.          44. 1     0.0731065   45. 1     0.
 46. 1     0.1764298   47. 1     0.1066169   48. 1     0.4227104   49. 1     0.          50. 1     0.
 51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
 56. 1     0.          57. 1     0.          58. 1     0.0408852   59. 1     0.          60. 1     0.
 61. 1     0.1495070   62. 1     0.1149956   63. 1     0.          64. 1     0.          65. 1     0.
 66. 1     0.2966116   67. 1     0.2768729   68. 1     0.          69. 1     0.1816711   70. 1     0.
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.48393445
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.96786892
   ** CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.96786892

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.0300250    2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.03003
SUM NO.   2 IS    1.00000

*** 21    INPUT H6        IDENTIFICATION  INCORRECT.
MINPS=000000000002      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.01651862
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.03679676
   ** CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.03679676

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.0373551    2. 1     0.1391712    3. 1     0.1570194    4. 1     0.           5. 1     0.
  6. 1     0.0617996    7. 1     0.           8. 1     0.2344398    9. 1     0.1395712   10. 1     0.
 11. 1     0.1295281   12. 1     0.          13. 1     0.          14. 1     0.1267135   15. 1     0.0082471
 16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.0987706
 21. 1     0.          22. 1     0.          23. 1     0.1245663   24. 1     0.0634334   25. 1     0.2044874
 26. 1     0.1436074   27. 1     0.2181142   28. 1     0.          29. 1     0.          30. 1     0.1759577
 31. 1     0.0604394   32. 1     0.          33. 1     0.          34. 1     0.1571184   35. 1     0.1135668



 36. 1     0.2219300   37. 1     0.2071889   38. 1     0.          39. 1     0.          40. 1     0.
 41. 1     0.2123104   42. 1     0.0434507   43. 1     0.1615191   44. 1     0.0485307   45. 1     0.
 46. 1     0.1120270   47. 1     0.2352936   48. 1     0.1636781   49. 1     0.0318955   50. 1     0.0065665
 51. 1     0.          52. 1     0.          53. 1     0.1300260   54. 1     0.          55. 1     0.
 56. 1     0.          57. 1     0.          58. 1     0.1699550   59. 1     0.          60. 1     0.
 61. 1     0.2782001    2. 1     0.1311971   63. 1     0.          64. 1     0.          65. 1     0.
 66. 1     0.0316949   67. 1     0.2326525   68. 1     0.          69. 1     0.1901521   70. 1     0.
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.85[illegible]8406
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.6787420[illegible]
   ** CONTROL=000000000007
      3 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =     0.67874204

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.3832832     2. 2     0.5573021     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.38328
SUM NO.   2 IS   0.55730

*** 22    INPUT H6        IDENTIFICATION  INCORRECT.
MINPS=000000000002      NCYCS=000000000012      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06584169
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.22557393
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.14570782
    ** CONTROL=000000000007
        3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.14570782

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.1630869     2. 1     0.1136605     3. 1     0.1070436     4. 1     0.            5. 1     0.0365545
        6. 1     0.0691009     7. 1     0.            8. 1     0.1402931     9. 1     0.0982562    10. 1     0.
       11. 1     0.1140321    12. 1     0.            13. 1     0.0931605    14. 1     0.1036386    15. 1     0.1007917
       16. 1     0.0555551    17. 1     0.            18. 1     0.0524791    19. 1     0.           20. 1     0.1412352
       21. 1     0.           22. 1     0.            23. 1     0.1562731    24. 1     0.1201458    25. 1     0.1184046
       26. 1     0.1293533    27. 1     0.1143647     28. 1     0.           29. 1     0.           30. 1     0.1224103
       31. 1     0.1340956    32. 1     0.            33. 1     0.0984805    34. 1     0.1046045    35. 1     0.1016064
       36. 1     0.1099260    37. 1     0.0749590     38. 1     0.           39. 1     0.0700211    40. 1     0.
       41. 1     0.1397948    42. 1     0.1324454     43. 1     0.1522334    44. 1     0.1209866    45. 1     0.0386205
       46. 1     0.1426167    47. 1     0.1005801     48. 1     0.0597405    49. 1     0.0683535    50. 1     0.1358189
       51. 1     0.           52. 1     0.            53. 1     0.0962604    54. 1     0.           55. 1     0.
       56. 1     0.0739809    57. 1     0.            58. 1     0.1065146    59. 1     0.           60. 1     0.
       61. 1     0.1244538    62. 1     0.1395309     63. 1     0.           64. 1     0.           65. 1     0.
       66. 1     0.1284084    67. 1     0.0688042     68. 1     0.0367563    69. 1     0.1481622    70. 1     0.
       71. 1     0.0084211    72. 1     0.1160100     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.77397826
    ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.63698913
    ** CONTROL=000000000007
        3 BIAS CHANGES


        LEVEL   2    MS =     0.01000000    BIAS =     0.63698913

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.4566874     2. 2     0.4633039     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.45669
SUM NO.   2 IS   0.46330

*** 23    INPUT H6        IDENTIFICATION  INCORRECT.
MINPS=000000000002      NCYCS=000000000011      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06899975
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     4.76152521
    ** CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     2.41526249
    ** CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.24213114
    ** CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.65556547
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.36228263
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.21564122
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.28896192
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.25230157
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.23397140
    ** CONTROL=000000000007
        10 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.23397140

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.2751940     2. 1     0.0937422     3. 1     0.1329312     4. 1     0.            5. 1     0.1107529
        6. 1     0.1122908     7. 1     0.0731096     8. 1     0.1184096     9. 1     0.0863026    10. 1     0.
       11. 1     0.0987537    12. 1     0.0414675    13. 1     0.0948003    14. 1     0.0743381    15. 1     0.0831724
       16. 1     0.0787865    17. 1     0.            18. 1     0.0808881    19. 1     0.           20. 1     0.1016396
       21. 1     0.           22. 1     0.            23. 1     0.1286353    24. 1     0.1006714    25. 1     0.1038425
       26. 1     0.1264212    27. 1     0.0825145     28. 1     0.           29. 1     0.           30. 1     0.0598927
       31. 1     0.1217888    32. 1     0.            33. 1     0.0858119    34. 1     0.0917777    35. 1     0.1015524
       36. 1     0.0783791    37. 1     0.0723047     38. 1     0.           39. 1     0.0651214    40. 1     0.
       41. 1     0.1098560    42. 1     0.0852425     43. 1     0.1378015    44. 1     0.1123291    45. 1     0.0890020
       46. 1     0.1374866    47. 1     0.0898712     48. 1     0.0830199    49. 1     0.0854628    50. 1     0.0958509
       51. 1     0.           52. 1     0.            53. 1     0.0865536    54. 1     0.0618200    55. 1     0.
       56. 1     0.0956487    57. 1     0.            58. 1     0.0749081    59. 1     0.           60. 1     0.
       61. 1     0.0889098    62. 1     0.0670928     63. 1     0.           64. 1     0.           65. 1     0.
       66. 1     0.1178809    67. 1     0.0736924     68. 1     0.1056624    69. 1     0.1109871    70. 1     0.
       71. 1     0.0847633    72. 1     0.1063430     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.83386280
    ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.66693141
```

```
   **  CONTROL=000000000007
        3 BIAS CHANGES

       LEVEL   2    MS =     0.01000000    BIAS =     0.66693141

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2     0.6174681    2. 2     0.3160137    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.61747
SUM NO.   2 IS    0.31601

***  24    INPUT H6        IDENTIFICATION CORRECT
MINPS=000000000001      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.42181873
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92354967
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42528060
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.17441514
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.04898241
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.11169878
   **  CONTROL=000000000007
        6 BIAS CHANGES

       LEVEL   1    MS =     0.20000000    BIAS =    -1.11169878

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.3377237    3. 1     0.           4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.3655828   13. 1     0.          14. 1     0.1618958   15. 1     0.
       16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
       21. 1     0.3762282   22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.2672697
       26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
       31. 1     0.3373058   32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
       36. 1     0.4625437   37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
       41. 1     0.          42. 1     0.          43. 1     0.1092327   44. 1     0.1176102   45. 1     0.
       46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
       51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.1727166   55. 1     0.7769041
       56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
       61. 1     0.          62. 1     0.6482588   63. 1     0.2533318   64. 1     0.1146934   65. 1     0.4729092
       66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
       71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.18125649
   **  CONTROL=000000000001
        1 BIAS CHANGES

       LEVEL   2    MS =     0.01000000    BIAS =     0.18125649

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2     0.8187435    2. 2     0.0812678    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.81874
SUM NO.   2 IS    0.08127

***  25    INPUT V6        IDENTIFICATION  INCORRECT.
MINPS=000000000001      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38478307
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.82305592
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.26132877
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.04219235
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.93262415
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.98740825
   **  CONTROL=000000000007
        6 BIAS CHANGES

       LEVEL   1    MS =     0.20000000    BIAS =    -0.98740825

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.2927708    3. 1     0.           4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.3070043   13. 1     0.          14. 1     0.1663375   15. 1     0.
       16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.0528784
       21. 1     0.2707731   22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.2638239
       26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
       31. 1     0.2968704   32. 1     0.          33. 1     0.0683592   34. 1     0.          35. 1     0.0054021
       36. 1     0.4404355   37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
       41. 1     0.          42. 1     0.          43. 1     0.1952639   44. 1     0.1604751   45. 1     0.
       46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.0592992   50. 1     0.
       51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.2030519   55. 1     0.6163836
       56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
       61. 1     0.          62. 1     0.5418222   63. 1     0.2046855   64. 1     0.1682640   65. 1     0.3303981
       66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
       71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.45747104
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.91494210
   **  CONTROL=000000000003
        2 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     0.91494210

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.0174904     2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.01749
SUM NO.   2 IS    1.00000

*** 26    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.23535973
   ** CONTROL=00C000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.42090479
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.60644984
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.51367731
   ** CONTROL=000000000007
      4 BIAS CHANGES


LEVEL   1    MS =     0.20000000    BIAS =    -0.51367731

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.0828330     3. 1     0.            4. 1     0.            5. 1     0.9459795
  6. 1     0.4184337     7. 1     0.            8. 1     0.1734916     9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.1619428
 16. 1     0.2053693    17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.0857755    24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.3941694    28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.2510961    35. 1     0.8958586
 36. 1     0.7241460    37. 1     0.           38. 1     0.           39. 1     0.019643     40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.2407496    49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.2093493    55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.0665247    65. 1     0.
 66. 1     0.3692866    67. 1     0.           68. 1     0.           69. 1     0.2085970    70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.12267578
   ** CONTROL=00C000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.24535158
   ** CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.24535158

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0000000     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.00000
SUM NO.   2 IS    0.

*** 27    INPUT H1        INDENTIFICATION CORRECT
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35494484
   ** CONTROL=00C000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.94753624
   ** CONTROL=00C000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.54012765
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.24383195
   ** CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.24383195

COMP.    OUTPUT        COMP.    OUTPUT        COMP     OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.1084265     2. 1     0.                1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.3901939     8   1     0.            9. 1     0.           10. 1     0.
 11. 1     0.6859180    12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.7466089
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.4252041
 31. 1     0.2849563    32. 1     0.1108828    33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.7281438    44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.1665496    50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.4052495    55. 1     0.


 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.7133543    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.0248980     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.24952976
   ** CONTROL=000000000001
      1 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.24952976

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.3074411     2. 2     0.6975588     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.30744
SUM NO.   2 IS    0.69256

*** 28    INPUT V1        INDENTIFICATION CORRECT
MINPS=000000000012      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.26729409
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.42717932
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.58706455
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.50712194
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.54709324
   **   CONTROL=000000000007
          5 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.54709324

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.0005349     3. 1     0.            4. 1     0.            5. 1     0.2322235
         6. 1     0.1999945     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.0660628
        11. 1     0.           12. 1     0.           13. 1     0.0447300    14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.0779639    20. 1     0.
        21. 1     0.           22. 1     0.5471705    23. 1     0.           24. 1     0.0229196    25. 1     0.1574084
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.1678454    33. 1     0.0045771    34. 1     0.           35. 1     0.
        36. 1     0.4655074    37. 1     0.           38. 1     0.9023413    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.1126425    49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.0710272    55. 1     0.
        56. 1     0.           57. 1     0.5848495    58. 1     0.           59. 1     0.           60. 1     0.1243924
        61. 1     0.           62. 1     0.           63. 1     0.5423843    64. 1     0.6123973    65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.1663974    69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06002726
   **   CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -1.06002726

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.5499772     2. 2     0.4500228     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.54998
SUM NO.   2 IS    0.45002

*** 29    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.34883726
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.77167857
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.19451988
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.98309922
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.08880955
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03595439
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.03595439

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.0191302     5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.5439692    17. 1     0.           18. 1     0.           19. 1     0.1397900    20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.1773975    24. 1     0.7007629    25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.3788602    30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.5983081    42. 1     0.8951817    43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.4608795    48. 1     0.4835941    49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.2718052    58. 1     0.0129361    59. 1     0.           60. 1     0.1782901
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.0171869    72. 1     0.1780732     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37963179
   **   CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -0.37963179

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.2399171     2. 2     0.7600829     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.23992
SUM NO.   2 IS    0.76008

*** 30    INPUT V2        INDENTIFICATION CORRECT
```

NEW G-WEIGHTS FROM RESULT OF INPUT 30

COMPONENT 1. 1 G-WEIGHTS

0.49571228	0.51786804	0.50225830	0.49571228	0.49571228
0.49571228	0.50103760	0.49571228	-0.50094604	-0.50094604
-0.50094604	-0.50094604	-0.49337769	-0.50094604	-0.50094604
-0.50094604	0.48864746	0.48864746	0.48864746	0.51881409
0.48864746	0.48864746	0.51881409	0.51881409	-0.50753784
-0.50753784	-0.50753784	-0.50753784	-0.47737122	-0.47737122
-0.50753784	-0.50753784	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.48185730	0.47029114	0.55636597	0.54914856	0.49382019
0.48132324	0.49937439	0.46769714	-0.49882507	-0.48698425
-0.50936890	-0.47148132	-0.51037598	-0.45155334	-0.47724915
-0.59407043	0.19198608	0.48526001	0.72969055	0.68521118
0.38885498	0.14469910	0.56492615	0.80934143	-0.72045898
-0.57656860	-0.33172607	-0.37620544	-0.37649536	-0.91024780
-0.33172607	-0.37649536	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.53196716	0.50273132	0.43580627	0.53604126	0.42697144
0.52943420	0.52404785	0.51296997	-0.48892212	-0.46916199
-0.45663452	-0.46134949	-0.54217529	-0.66563416	-0.45745850
-0.45861416	0.42837524	0.82188890	0.79714966	0.26332092
0.28805542	0.90165710	0.23738098	0.26216125	-0.29382324
-0.93836501	-0.29382324	-0.42538452	-0.39950562	-0.29382324
-0.42538452	-0.92984009	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.51278687	0.49467468	0.49246216	0.49658203	0.49720764
0.49868774	0.49221802	0.51531982	-0.50627136	-0.55032349
-0.47709656	-0.46795054	-0.50581360	-0.50883484	-0.49291992
-0.49076843	0.49348450	0.53388977	0.50903320	0.54827881
0.51562500	0.44529724	0.48573303	0.44861267	-0.58778381
-0.50978088	-0.48643494	-0.45498657	-0.48764038	-0.46934509
-0.49423218	-0.50978088	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.44826796	0.44450378	0.45837402	0.46313477	0.68037415
0.44450378	0.59889221	0.46188354	-0.49087524	-0.54928589
-0.52561951	-0.40524292	-0.55213928	-0.54908752	-0.48764038
-0.44007874	0.77799988	0.82803345	0.20208740	0.
0.63314819	0.82803345	0.58085632	0.14979553	-0.61392212
-0.42095347	0.	-0.64340210	-0.61392212	-0.42095947
-0.64340210	-0.64340210	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.57875061	0.54138184	0.46746826	0.49928284	0.52128601
0.56826782	0.43646240	0.38671875	-0.49189758	-0.62269592
-0.43115234	-0.52672791	-0.48176575	-0.42048645	-0.33039551
-0.48449767	0.18026733	0.57130432	1.00000000	0.
0.57130432	1.00000000	0.67710876	0.	-0.49452209
-0.38549805	-0.49348450	-0.03086853	-0.38549805	-0.49348450
-0.72300720	-0.99362183	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.62045288	0.57682800	0.50093079	0.44569397	0.44688416
0.52413940	0.44171143	0.44331360	-0.54782104	-0.24046326
-0.54766846	-0.54576111	-0.54708862	-0.54310608	-0.48063660
-0.54740506	0.56263733	0.55387878	0.62222290	0.55387878
0.62222290	0.55767822	0.22128296	0.30616760	-0.43464661
-0.53330994	-0.49922180	-0.49424744	-0.50300598	-0.53330994
-0.49922180	-0.50300598	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.50198364	0.47888184	0.51875305	0.50143433	0.50355530
0.49111938	0.49467468	0.50953674	-0.44833374	-0.56744385
-0.50155640	-0.45118713	-0.45172119	-0.61553955	-0.49839783
-0.46580505	0.68190002	0.59303284	0.10792542	0.42344466
0.68190002	0.10792542	0.45933533	0.94448853	-0.44465637
-0.53582764	-0.44465637	-0.44465637	-0.53582764	-0.93519592
-0.21444702	-0.44465637	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.38865662	0.50201416	0.52038574	0.51159668	0.54626465
0.[illegible]456116	0.51826477	0.47821045	-0.50120544	-0.53228760
-0.47746277	-0.47831726	-0.50526428	-0.51971436	-0.49961853
-0.48608398	0.62271118	0.30639648	0.37907410	0.62271118
0.37907410	0.55004883	0.37907410	0.76084900	-0.49000549
-0.80627441	-0.35183716	-0.56268311	-0.73362732	-0.35183716
-0.35183716	-0.35183716	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.48107910	0.43376160	0.56216431	0.45736694	0.66007996
0.48652649	0.46131897	0.45767212	-0.49629211	-0.56321716
-0.50834656	-0.50222778	-0.49478149	-0.42317200	-0.50970459
-0.50222778	0.83934021	0.51542664	0.16952515	0.45793152
0.49343877	0.83934021	0.51542664	0.16952515	-0.48001099
-0.48001099	-0.48001099	-0.44450378	-0.42248535	-0.76840210
-0.48001099	-0.44450378	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.44011353	0.44244385	0.44083069	0.45272827	0.44471741
0.44331360	0.74649048	0.54930115	-0.55746460	-0.57310486
-0.56604004	-0.57420349	-0.55680047	-0.55593872	-0.05268860
-0.56370544	0.59243774	0.59243774	0.50033569	0.59243774
0.59243774	0.60310364	0.51100159	0.01576233	-0.48098755
-0.47029114	-0.56239319	-0.57307434	-0.48098755	-0.48098755
-0.47029114	-0.48098755	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.49925232	0.51409912	0.50633240	0.51361084	0.44613647
0.51225281	0.51190186	0.49838367	-0.51330566	-0.54786682
-0.48207092	-0.50230408	-0.50253296	-0.50546265	-0.47090149
-0.47550964	0.56196594	0.46234131	0.55892944	0.40368652
0.45932007	0.55892944	0.53546143	0.45932007	-0.43336487
-0.45680237	-0.58857727	-0.53295898	-0.43336487	-0.53295898
-0.58857727	-0.43336487	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.40553284	0.44085693	0.45077515	0.57748413	0.5589990[illegible]
0.56303406	0.43898010	0.56522528	-0.54716492	-0.48710637
-0.45227051	-0.53002930	-0.45426941	-0.45222473	-0.59132385
-0.48556519	0.22732544	0.88647461	0.45533752	0.22732544
0.63432312	0.88647461	0.45533752	0.22732544	-0.29640198
-0.70336914	-0.93138123	-0.52441406	-0.29640198	-0.70336914
-0.27226257	-0.27226257	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.47113037	0.49856567	0.49978638	0.53979492	0.54202271
0.38265991	0.53816223	0.52780151	-0.48274231	-0.53565979
-0.53227234	-0.44836426	-0.53684998	-0.45397949	-0.47509766
-0.53500366	0.32075500	0.32676697	0.60981750	0.87648010
0.32423401	0.61318970	0.60713196	0.32159424	-0.85140991
-0.56233215	-0.29570007	-0.29570007	-0.84107971	-0.56233215
-0.29570007	-0.29570007	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.49583435	0.48652649	0.56654358	0.50334167	0.50007629
0.49504089	0.44570923	0.50688171	-0.36363220	-0.51698503
-0.51[illegible]3643	-0.52090454	-0.52674866	-0.52482605	-0.51399231
-0.51303101	0.48709106	0.39080811	0.36213684	0.60009766
0.61375427	0.44520569	0.39080811	0.71003723	-0.49981689
-0.48481750	-0.53923035	-0.56790161	-0.31625366	-0.48481750
-0.53923035	-0.56790161	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.6[illegible]710144	0.46731567	0.46543884	0.40106201	0.43612671
0.46026611	0.59730530	0.56533813	-0.50912476	-0.51731873
-0.40357971	-0.49983215	-0.53427124	-0.47135925	-0.54090881
-0.52357483	0.63687134	0.49215698	0.34231567	0.50639343
0.63687134	0.49215698	0.33804321	0.55514526	-0.54096985
-0.52674866	-0.54096985	-0.39627075	-0.54096985	-0.52674866
-0.33630676	-0.54096985	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.52438354	0.49758911	0.47924805	0.52438354	0.52438354
0.46443176	0.45703125	0.52799988	-0.52865601	-0.46054077
-0.46832275	-0.48559570	-0.55763245	-0.54785156	-0.47160339
-0.47927856	0.315[illegible]13	0.71258545	0.31533813	0.71258545
0.67533875	0.67533875	0.31533813	0.27807617	-0.39135742
-0.39135742	-0.42866516	-0.39135742	-0.82589722	-0.39135742
-0.78845051	-0.39135742	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.49034119	0.49012756	0.51741028	0.46118164	0.49259949
0.51919556	0.51292419	0.51618958	-0.49780273	-0.49903870
-0.42954092	-0.51716614	-0.51170349	-0.49742176	-0.54336548
-0.50653076	0.66609192	0.43391418	0.71662903	0.48446655
0.23409924	0.48385620	0.69708252	0.28181458	-0.53385925
-0.41687012	-0.43240356	-0.35154724	-0.58378601	-0.83219910
-0.41687012	-0.43240356	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.49768066	0.50419617	0.46739197	0.47770691	0.57231140
0.44557190	0.49337769	0.54171753	-0.54081726	-0.48390198
-0.49723816	-0.48811340	-0.49180603	-0.48428345	-0.49285889
-0.52093506	0.33023071	0.69151306	0.69151306	0.44474792
0.60176086	0.57699585	0.33296204	0.33023071	-0.48385620
-0.48114014	-0.39408875	-0.63816833	-0.48385620	-0.39408875
-0.[illegible]48385620	-0.48385620	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.53593445	0.46092224	0.46833801	0.51293945	0.53575134
0.53465271	0.52436829	0.42704773	-0.49855042	-0.50407410
-0.38024902	-0.49510193	-0.50286865	-0.58564758	-0.51055908
-0.52291870	0.53117371	0.60475159	0.60475159	0.42573547
0.51110840	0.60441589	0.40567017	0.31236267	-0.43930054
-0.41960144	-0.61836243	-0.43930054	-0.43930054	-0.41960144
-0.71165566	-0.51287842	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.47909565	0.53542668	0.48008728	0.44172668	0.56756592
0.51918130	0.49168396	0.46513794	-0.51428223	-0.41428223
-0.53022756	-0.50552368	-0.5[illegible]933839	-0.42324829	-0.50444031
-0.49862671	0.50630371	0.59278979	0.44075012	0.38282776
0.39244060	0.34098816	0.62870789	0.63516235	-0.51464844
-0.57260132	-0.57260132	-0.52114568	-0.34911011	-0.36262512
-0.51426594	-0.57260132	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.45509338	0.49978638	0.45509338	0.45509338	0.60630790
0.50823975	0.45509338	0.58524458	-0.54429626	-0.56332397
-0.57891846	0.	-0.57891846	-0.57664016	-0.57891846
-0.57891846	0.53797913	0.75614819	0.75614819	0.32524109
0.10505678	0.50265503	0.72282415	0.78991699	-0.66326904
-0.66326904	-0.66326904	-0.23033142	-0.01016235	-0.44309998
-0.66326904	-0.66326904	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.48620605	0.50166321	0.49073742	0.53152466	0.48986816
0.48683257	0.50473022	0.52685120	-0.50460815	-0.46302795
-0.49546326	-0.47544861	-0.52555062	-0.51599121	-0.50448608
-0.52275145	0.47920227	0.47920227	0.45873714	0.51164246
0.46835327	0.46556091	0.54219055	0.39506531	-0.52247620
-0.44113159	-0.51161194	-0.51161194	-0.51161194	-0.51161194
-0.51161194	-0.47827148	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.45780945	0.56271362	0.57640405	0.32106018	0.56944275
0.53363147	0.56356817	0.42332458	-0.33534241	-0.51380920
-0.41011047	-0.49944360	-0.53581238	-0.49273682	-0.49668884
-0.71701050	0.17541504	0.78161621	0.39520264	0.34465027
0.78161621	0.78161621	0.39520264	0.34465027	-0.44360842
-0.38247681	-0.39215088	-0.78233337	-0.78233337	-0.44300842
-0.38247681	-0.39215088	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.62539673	0.48535754	0.43921204	0.46585083	0.49531555
0.46280071	0.47492981	0.49829[illegible]	-0.52491760	-0.46236755
-0.55143738	-0.50418091	-0.44522095	-0.43087769	-0.55594.51
0.56120464	0.62345896	0.46179199	0.34928894	0.31149292
0.62345366	0.34928894	0.64[illegible]	-0.44059448	-0.[illegible]1701355
-0.47924405	-0.35530090	-0.62953147	-0.66729736	-0.35530090
-0.51701355	-0.47924865	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.51219177	0.51306152	0.50614729	0.51568604	0.50460815
0.48970342	0.50781140	0.46873947	-0.49807739	-0.49569702
-0.47326660	-0.50737000	-0.50889397	-0.51968384	-0.49960327
-0.49604668	0.34429932	0.53302002	0.55227661	0 58460999
0.34429932	0.53302002	0.55227661	0.55616760	-0.44809387
-0.46809387	-0.44891357	-0.41653442	-0.624 8120	-0.65481458
-0.46809387	-0.44891357	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.43296414	0.46536255	0.47555542	0.47285461	0.53645325
0.66275024	0.47506714	0.47894287	-0.50869751	-0.50518799
-0.49699402	-0.48344421	-0.51718140	-0.51716614	-0.44792175
-0.52339172	0.24368286	0.58586595	0.78868103	0.45500183
0.28826904	0.58586595	0.28826904	0.76435852	-0.54275513
-0.72972107	-0.20906067	-0.54275513	-0.72972107	-0.54275513
-0.18476866	-0.51843262	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.50376892	0.40348816	0.48559570	0.48243713	0.61734009
0.53614807	0.48559570	0.48561096	-0.49913025	-0.48918152
-0.50863647	-0.48077393	-0.51208496	-0.50863647	-0.48580935
-0.51571655	0.43945068	0.25964355	0.50735474	0.74713135
0.55615234	0.31634521	0.53254700	0.58132935	-0.59973145
-0.27566223	-0.65643311	-0.46542358	-0.65643311	-0.46542358
-0.46542358	-0.46542358	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.52560425	0.48774719	0.48132324	0.48497009	0.46661377
0.50532532	0.58529663	0.46308899	-0.48513[illegible]46	-0.46083069
-0.52757263	-0.50651550	-0.50547791	-0.51049805	-0.50845337
-0.49543762	0.52830505	0.41548157	0.54017639	0.62622070
0.42732239	0.51341248	0.43150330	0.51754761	-0.49557495
-0.48068237	-0.48068237	-0.48072515	-0.59350556	-0.50741577
-0.48068237	-0.48068237	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.46463013	0.45564270	0.47432388	0.47383118	0.44119263
0.46110535	0.44680786	0.48352051	-0.56550598	-0.50811768
-0.50830078	-0.26766968	-0.53036499	-0.50477600	-0.55348206
-0.56175232	0.36387634	0.10894775	0.61790466	0.47282410
0.41728210	0.61790466	0.72776794	0.67344666	-0.70556641
-0.39505005	-0.39505005	-0.65002441	-0.50491333	-0.49505005
-0.44938660	-0.50491333	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.50315857	0.51730347	0.52127075	0.45672607	0.50007629
0.47004700	0.51280376	0.51876831	-0.51788330	-0.53137207
-0.51931763	-0.30600159	-0.45491028	-0.51371765	-0.54924011
-0.52751180	0.38668823	0.52430725	0.51921082	0.56488037
0.54605530	0.38273621	0.43894958	0.61714172	-0.22048950
-0.40376282	-0.52017761	-0.69345043	-0.55186462	-0.51135254
-0.55186462	-0.55699158	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.63795471	0.46174622	0.46333313	0.46339417	0.55780029
0.46376038	0.48405457	0.46794128	-0.54862976	-0.47103882
-0.54945374	-0.43646240	-0.45405579	-0.55091858	-0.44030762
-0.54911804	0.31999207	0.31964111	0.61614990	0.63275146
0.43957520	0.42294312	0.61614990	0.63275146	-0.43737793
-0.57353210	-0.36370850	-0.55729675	-0.55690002	-0.55729675
-0.57353210	-0.38032532	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49942017	0.49691772	0.50314331	0.50880432	0.49842834
0.49815369	0.49775696	0.49731445	-0.51033020	-0.49984741
-0.49705505	-0.51063538	-0.50996399	-0.45043945	-0.51002502
-0.51167297	0.45579529	0.45579529	0.44909668	0.56828308
0.48532164	0.56828308	0.56828308	0.44909668	-0.50700378
-0.50700378	-0.51373291	-0.51373291	-0.43072510	-0.50700378
-0.51373291	-0.50700378	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.51394653	0.45906067	0.52542114	0.53190613	0.50041199
0.46412659	0.51147461	0.49360657	-0.50157166	-0.52040100
-0.50668335	-0.50041199	-0.48370361	-0.49919128	-0.49980164
-0.48822021	0.57763724	0.73625183	0.46707153	0.38546753
0.49761963	0.40609741	0.12770081	0.80209351	-0.50724792
-0.48812866	-0.50724792	-0.39685059	-0.23828125	-0.50724792
-0.58862305	-0.76631165	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.50399780	0.48919678	0.48661804	0.47767639	0.46763614
0.48085022	0.47135925	0.62263489	-0.38476563	-0.52925110
-0.52925110	-0.53898621	-0.41226196	-0.53477478	-0.54138184
-0.52925110	0.70260620	0.11772156	0.76481628	0.76716614
0.12005615	0.70495605	0.12005615	0.70260620	-0.54533386
-0.54533386	-0.54533386	0.	-0.54533386	-0.60620117
-0.60620117	-0.60620117	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.40348816	0.50305176	0.95422363	0.40248108	0.47860718
0.42875671	0.39956665	0.42979431	-0.57148743	-0.36335754
-0.56303406	-0.57777405	-0.57296753	-0.37857056	-0.61793622
-0.35478210	0.96052551	0.48051453	0.	0.53286743
0.96052551	0.10499573	0.	0.96052551	-0.26487732
-0.62622070	-0.62622070	-0.21795654	-0.26487732	-0.62622070
-0.62622070	-0.74732971	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.55043030	0.55213928	0.56987000	0.46046448	0.47380066
0.57470703	0.47563171	0.34292603	-0.46162415	-0.50457764
-0.46160889	-0.49748230	-0.52339172	-0.54432678	-0.47665405
-0.53030396	0.77642822	0.64369202	0.35626221	0.64369202
0.22351074	0.35626221	0.22351074	0.77642822	-0.27677917
-0.52281189	-0.81022644	-0.39007568	-0.27677917	-0.52281189
-0.81022644	-0.39007568	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.52311707	0.44973755	0.57128906	0.46118164	0.58628845
0.45018005	0.44973755	0.50842285	-0.55500793	-0.21485901
-0.55500793	-0.55262756	-0.55490112	-0.56939697	-0.46652222
-0.53164673	0.65121460	0.82482910	0.	0.
0.65182495	0.82482910	0.22244263	0.82482910	-0.60261536
-0.60319519	0.	-0.60319519	-0.60319519	-0.38139343
-0.60319519	-0.60319519	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.51855469	0.50535583	0.50894165	0.50932312	0.50808716
0.49452209	0.44749451	0.50767517	-0.50367737	-0.51280212
-0.43345642	-0.51211548	-0.50942993	-0.51217651	-0.50480652
-0.51152039	0.58573914	0.49603271	0.49868774	0.44721985
0.49603271	0.44721985	0.39179993	0.63722229	-0.53826904
-0.48548889	-0.54087830	-0.43666077	-0.43403625	-0.53826904
-0.48548889	-0.54087830	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.49809265	0.47837830	0.49105835	0.49847412	0.52929688
0.50054932	0.51202393	0.49208069	-0.49806213	-0.49919128
-0.50234985	-0.50234985	-0.44920349	-0.54408264	-0.50234985
-0.50234985	0.44886780	0.44886780	0.55590820	0.53546143
0.42842102	0.53546143	0.44886780	0.59802246	-0.41909790
-0.52615356	-0.50570679	-0.50570679	-0.50570679	-0.52615356
-0.50570679	-0.50570679	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.49635315	0.50521851	0.49298096	0.49897766	0.36325195
0.44679260	0.47588892	0.49649048	-0.50505066	-0.52178955
-0.49957275	-0.54356384	-0.50509644	-0.41323853	-0.50192261
-0.50973511	0.56578064	0.56578064	0.50102234	0.39707947
0.58091736	0.51614380	0.41220093	0.46104431	-0.45420837
-0.45420837	-0.51895142	-0.45758057	-0.45420837	-0.51895142
-0.51895142	-0.62287903	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.45869446	0.46553040	0.50936890	0.49473572	0.44493103
0.49374390	0.62359619	0.50936890	-0.52593520	-0.53373718
-0.54063416	-0.34016418	-0.37533264	-0.55606079	-0.58573914
-0.34233093	0.53474426	0.59924316	0.59924316	0.35607910
0.53474426	0.59924316	0.42059326	0.35607910	-0.60978699
-0.43115234	-0.43115234	-0.67417908	-0.49568176	-0.43115234
-0.43115234	-0.49568176	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.55880737	0.43305969	0.47006226	0.42726135	0.78044128
0.43325806	0.44528198	0.45178223	-0.50447083	-0.50599670
-0.50486755	-0.49664470	-0.52247620	-0.49978638	-0.52383423
-0.44200290	0.61450195	0.61450195	0.64302063	0.52206421
0.42332458	0.58364868	0.58364868	0.01525879	-0.46810913
-0.46810913	-0.56056213	-0.53829936	-0.46810913	-0.46810913
-0.56056213	-0.46810913	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.51705933	0.49632263	0.47846785	0.50869751	0.47254944
0.49890137	0.51533508	0.51272583	-0.51268005	-0.46303284
-0.51341248	-0.51289368	-0.48545837	-0.52558899	-0.51004028
-0.47198486	0.59382629	0.36311340	0.57969666	0.61331177
0.38258362	0.43095350	0.50141907	0.53506470	-0.53927612
-0.53620911	-0.46578979	-0.43214417	-0.66281128	-0.46578979
-0.46578979	-0.43214417	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.54362488	0.43829346	0.48872375	0.48728943	0.48495483
0.51806641	0.52416992	0.51484680	-0.50614929	-0.45823669
-0.46362305	-0.45854187	-0.45198059	-0.51698303	-0.52024841
-0.62419128	0.37770081	0.37092590	0.68533325	0.71910095
0.28807068	0.67001343	0.64303589	0.24578857	-0.39079285
-0.38401794	-0.81500244	-0.39079285	-0.41780090	-0.41780090
-0.80824280	-0.37551880	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.53215027	0.44586182	0.54640198	0.51364136	0.43016052
0.46864319	0.52671814	0.53637695	-0.54180908	-0.49125671
-0.50141907	-0.49827576	-0.45474243	-0.53713989	-0.49858093
-0.47673035	0.74928284	0.29330444	0.65020752	0.65020752
0.35913086	0.47467041	0.63955688	0.18360901	-0.40661621
-0.40661621	-0.40661621	-0.86259460	-0.40661621	-0.40661621
-0.40661621	-0.69770813	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.51480103	0.49198914	0.50811768	0.50102234	0.54739380
0.46603394	0.48843384	0.48237773	-0.51455688	-0.49874878
-0.50878906	-0.52035522	0.40570959	-0.50570679	-0.51142883
-0.45367432	0.21940613	0.46749878	0.63124074	0.59677124
0.51235962	0.46749878	0.59677124	0.50842285	-0.45568848
-0.70384216	-0.41481018	-0.44927979	-0.41481016	-0.53369141
-0.57855225	-0.44927979	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.47583008	0.55656433	0.42030334	0.53800964	0.57247925
0.48115540	0.50637817	0.44924927	-0.49638367	-0.59944153
-0.26713562	-0.65367126	-0.40867615	-0.51240540	-0.59060669
-0.47166443	0.11984253	0.56463623	0.56291199	0.56463623
0.85009766	0.65341187	0.30166626	0.38276672	-0.35804749
-0.44709778	-0.44709778	-0.70407104	-0.44540405	-0.44709778
-0.44709778	-0.70407104	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.49826050	0.50726318	0.51315308	0.39697266	0.52749634
0.52850342	0.31657104	0.51173401	-0.51837158	-0.46977234
-0.53370667	-0.51925659	-0.51296997	-0.50675964	-0.47129822
-0.46781921	0.52394104	0.20300293	0.27490234	0.76466370
0.36439514	0.72752380	0.73495483	0.40658569	-0.40455627
-0.39715576	-0.79742432	-0.72547913	-0.40455627	-0.39715576
-0.39715576	-0.47648671	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.51335144	0.54930115	0.50122070	0.48431394	0.44551086
0.53779602	0.49482727	0.47366333	-0.53959656	-0.48083496
-0.48023987	-0.55772400	-0.46680017	-0.48181152	-0.52125549
-0.47772217	0.49089050	0.66123962	0.66123962	0.38446045
0.35879517	0.63015747	0.32771301	0.48546869	-0.65760803
-0.35520935	-0.63194275	-0.35520935	-0.35520935	-0.35520935
-0.63194275	-0.65760803	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.54576111	0.50328064	0.50328064	0.50442505	0.51383977
0.44946716	0.45661926	0.50328064	-0.51325989	-0.49046376
-0.54234314	-0.48419189	-0.42742920	-0.51126099	-0.51550293
-0.51550293	0.36389160	0.56419373	0.61657715	0.36389160
0.36389160	0.61657715	0.41629028	0.69461060	-0.49234009
-0.54440308	-0.54440308	-0.29324341	-0.49234009	-0.54440308
-0.54440308	-0.54440308	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.42222595	0.55062866	0.49057007	0.41848755	0.52740479
0.53366089	0.48396301	0.57302856	-0.46679688	-0.55738831
-0.45593262	-0.47920227	-0.56971741	-0.54399109	-0.47309875
-0.45382590	0.41171265	0.31512451	0.78849792	0.37005615
0.27346802	0.73924255	0.32080078	0.78088379	-0.37121582
-0.37121582	-0.78964233	-0.46781921	-0.37121582	-0.37121582
-0.78964233	-0.46781921	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51643372	0.48789978	0.49563599	0.50288391	0.50096130
0.49751282	0.49006653	0.50856018	-0.45324707	-0.48124695
-0.52754211	-0.48605347	-0.52954102	-0.49070740	-0.53518677
-0.49644470	0.58601379	0.58601379	0.25877380	0.45887756
0.32153320	0.52497864	0.60144043	0.66232300	-0.50984192
-0.43341064	-0.43341064	-0.62332153	-0.76058960	-0.43341064
-0.43341064	-0.37255859	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.47117615	0.56648254	0.55393982	0.50331116	0.47117615
0.47404480	0.48419189	0.47563171	-0.43568420	-0.51641846
-0.51441956	-0.51376343	-0.47959900	-0.51660156	-0.50839233
-0.51506042	0.13299561	0.65296936	0.73686218	0.55905151
0.44758606	0.72860718	0.43934631	0.30253601	-0.58264160
-0.58264160	-0.55506897	-0.29341125	-0.55506897	-0.37727356
-0.47120667	-0.58264160	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.50979614	0.49482727	0.46388245	0.51959229	0.53677368
0.53688049	0.46022034	0.47798157	-0.46389771	-0.49266052
-0.49989319	-0.51310730	-0.51531982	-0.50743103	-0.51225281
-0.49540710	0.58529663	0.50296021	0.59422302	0.46852112
0.45547485	0.44555664	0.53680420	0.41111755	-0.47952271
-0.47952271	-0.38824463	-0.51394653	-0.65269470	-0.52700806
-0.47952271	-0.47952271	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48313904	0.48626709	0.53540039	0.53221130	0.49467468
0.47921753	0.53221130	0.45686340	-0.46922302	-0.46153259
-0.53315137	-0.52934265	-0.56016968	-0.45983887	-0.47586060
-0.49383545	0.69560242	0.24726868	0.28143311	0.34341431
0.74147034	0.72978210	0.67948914	0.28143311	-0.74104309
-0.38879395	-0.38879395	-0.43907166	-0.83717346	-0.38879395
-0.43907166	-0.37709045	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.45872498	0.45872498	0.45872498	0.51586914	0.51141357
0.53926086	0.55342192	0.50384521	-0.46368408	-0.56044006
-0.55801392	-0.42620850	-0.46307373	-0.56044006	-0.44514465
-0.52294922	0.72613525	0.30622864	0.59153748	0.76780701
0.34790039	0.17164612	0.47705078	0.61164856	-0.47277832
-0.64904785	-0.64904785	-0.05285645	-0.64904785	-0.64904785
-0.64904785	-0.22912598	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.47306824	0.55163574	0.51188660	0.53471375	0.47521973
0.48425293	0.49389648	0.47618103	-0.51293945	-0.50978088
-0.51101685	-0.46884155	-0.50650024	-0.51284790	-0.50399780
-0.47492981	0.60397339	0.37039185	0.65615845	0.42256165
0.54958779	0.42256165	0.37039185	0.60397339	-0.46546936
-0.59291077	-0.46546936	-0.35934448	-0.46546936	-0.59291077
-0.46546936	-0.59291077	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.51927185	0.44250488	0.51226807	0.44943237	0.50157166
0.52732849	0.50874329	0.53895569	-0.47949219	-0.48561096
-0.47698975	-0.49703979	-0.56144714	-0.48168945	-0.53834534
-0.47949219	0.59934998	0.39569092	0.63861084	0.43495178
0.34658813	0.55024719	0.43495178	0.59934998	-0.71903952
-0.42695618	-0.42695618	-0.63066101	-0.42695618	-0.51533508
-0.42695618	-0.42695618	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.51637268	0.49131775	0.51626587	0.48361206	0.48498535
0.48386024	0.54376918	0.48628564	-0.35148621	-0.54711914
-0.41542053	-0.24766208	-0.54853984	-0.53739929	-0.50740051
-0.54490662	0.51831158	0.57575389	0.68420410	0.53518677
0.47189026	0.29632568	0.55859375	0.40962219	-0.62831116
-0.53672791	-0.[illegible]79932	-0.53672791	-0.53672791	-0.27445984
-0.42340068	-0.53179932	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

0.77584839	0.47160339	0.42970276	0.47865295	0.44868469
0.48054504	0.44477844	0.47013855	-0.53068562	-0.50955200
-0.50126642	-0.52362081	-0.52738553	-0.51049805	-0.42410278
-0.47286987	0.55049133	0.75328064	0.75328064	0.31156921
0.55049133	0.75328054	0.31156921	0.01597595	-0.43615723
-0.40824890	-0.76573181	-0.43615723	-0.43615723	-0.43615723
-0.64518738	-0.43615723	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.51275635	0.50968665	0.48536682	0.51275635	0.49328613
0.45368958	0.51275635	0.52865601	-0.47598267	-0.52391052
-0.48812866	-0.50968933	-0.48655701	-0.48782349	-0.51271057
-0.51516724	0.56423950	0.36344910	0.40356445	0.60437012
0.56423950	0.56423950	0.36344910	0.57241821	-0.42971802
-0.63050842	-0.59036255	-0.42971802	-0.42971802	-0.42971802
-0.42971802	-0.63050842	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.47415161	0.44380188	0.76879883	0.47355652	0.47126770
0.45251465	0.48229950	0.43356323	-0.50823975	-0.50245667
-0.50737000	-0.54853821	-0.47949219	-0.44806780	-0.52168274
0.48330688	0.33474731	0.86320068	0.30197144	0.81028748
0.30183411	0.26905823	0.26905823	0.86981201	-0.48027039
-0.51303101	-0.51303101	-0.48027039	-0.48027039	-0.48027039
-0.51303101	-0.53979492	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.48181152	0.48982239	0.47259521	0.47259521	0.52256775
0.47752380	0.51098633	0.57206726	-0.57974243	-0.56607056
-0.56607056	-0.56039429	-0.45317078	-0.52024841	-0.48736572
-0.26690674	0.71192932	0.13107300	0.73396301	0.65384963
0.15312195	0.15312195	0.74246216	0.72042847	-0.56512451
-0.14445496	-0.64520264	-0.64520264	-0.56512451	-0.14445496
-0.64520264	-0.64520264	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.52204895	0.53103638	0.51849365	0.42292786	0.53878784
0.46089172	0.53768921	0.48810913	-0.46577454	-0.60076904
-0.51986694	-0.49880981	-0.44152832	-0.50848389	-0.52813721
-0.43659973	0.80889893	0.29017639	0.68768311	0.47006226
0.38659668	0.62507629	0.40745544	0.32398987	-0.39750671
-0.61517334	-0.69860840	-0.39750671	-0.39750671	-0.69860840
-0.39750671	-0.39750671	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

0.77651978	0.48313904	0.45402527	0.39341736	0.41731262
0.53652954	0.46861267	0.47041321	-0.53137207	-0.50068665
-0.45899963	-0.52000027	-0.51512146	-0.54052734	-0.42324829
-0.50999451	0.33126831	0.61483765	0.79327393	0.20187378
0.41610718	0.41610718	0.52403259	0.70245361	-0.51983643
-0.77587891	-0.36288452	-0.51983643	-0.51983643	-0.18443298
-0.51983643	-0.59742737	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.53268433	0.50607300	0.53041077	0.58447266	0.44157410
0.40505981	0.51113892	0.48834065	-0.47544861	-0.54130554
-0.48713684	-0.47331238	-0.51655579	-0.49786377	-0.53460693
-0.47372437	0.54873761	0.68722534	0.68722534	0.78372192
0.40763855	0.02461243	0.61842346	0.24234009	-0.36486816
-0.36486816	-0.26652527	-0.36486816	-0.36486816	-0.64996338
-0.96553040	-0.65846252	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49711609	0.54985046	0.49230957	0.49185181	0.49214172
0.49020386	0.49546810	0.49101257	-0.50050354	-0.49925232
-0.49943542	-0.50872913	-0.50431824	-0.50239563	-0.48435974
-0.50296021	0.59310913	0.43650818	0.37724304	0.59310913
0.40011597	0.41362000	0.59310913	0.59310913	-0.57162476
-0.54876709	-0.53523254	-0.35578918	-0.54876709	-0.51235962
-0.57162476	-0.35578918	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.49891663	0.46946716	0.47647095	0.44712830	0.53884888
0.48667908	0.55441284	0.52758789	-0.45565796	-0.51296997
-0.52008057	-0.52799988	-0.52359009	-0.49284363	-0.48895264
-0.47744751	0.27023315	0.22470093	0.85382080	0.28794861
0.62532043	0.84806824	0.28224182	0.60763550	-0.39442444
-0.89471436	-0.50608826	-0.28335571	-0.39442444	-0.84916687
-0.28335571	-0.39442444	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.51287842	0.52833557	0.51876931	0.46958923	0.51287842
0.51431274	0.43031311	0.51287642	-0.50669861	-0.50759828
-0.50286865	-0.49977112	-0.50491333	-0.50669861	-0.58142090
-0.38996827	0.44567071	0.24142456	0.55430603	0.75857544
0.47545569	0.27220154	0.52354431	0.72774794	-0.53283691
-0.73709106	-0.45500183	-0.45500183	-0.45500183	-0.45500183
-0.45500183	-0.45500183	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.52154541	0.51179504	0.51266479	0.50952148	0.50349476
0.52372742	0.44665857	0.47654724	-0.48332214	-0.52835083
-0.48629761	-0.47817993	-0.52415466	-0.48669434	-0.48912048
-0.52384949	0.59971619	0.36671448	0.28440857	0.38226318
0.63423157	0.53636169	0.61845224	0.57762146	-0.67790222
-0.40385437	-0.44488525	-0.56177002	-0.67790222	-0.40385437
-0.44488525	-0.44488525	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.49913025	0.49288440	0.53913879	0.50503540	0.45037842
0.44464111	0.57586670	0.49288940	-0.46940613	-0.51019287
-0.51133728	-0.51261902	-0.49050963	-0.57389832	-0.51261902
-0.41938782	0.22715759	0.67366029	0.67854309	0.39497375
0.39009094	0.54193115	0.54679871	0.54679871	-0.30140686
-0.58493042	-0.47412109	-0.75765991	-0.47412109	-0.46923828
-0.46923828	-0.46923828	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.22578430	0.48072815	-0.42454224
0.66851807	0.53059387	0.55436707	0.68743896	[illegible]1918640
0.53408813	0.40344238	0.40068545	0.56623840	0.59745789
0.42216492	0.99084473	1.00000000	0.79936218	0.27745056
0.18496704	0.38182068	0.43675232	0.67633057	0.28083801
0.60513086	0.65635681	0.30527156	0.50280762	0.36631775
0.02909851	0.69636536	0.65026855	1.00000000	0.70660400
0.36224365	0.38754272	0.50465393	1.00000000	0.57572937
0.17768860	0.99084473	0.85542297	0.02687073	0.41847065
0.68037415	0.10780334	0.23196411	0.55090332	0.59849548
0.75674438	0.56556702	0.08793640	0.28509521	0.16331487
0.61534119	0.21484375	0.97235107	0.21925354	0.60476685
0.32196045	0.04199219	0.49304199	0.32310486	-0.41999817
-0.60943604	-0.50363179	-0.45965576	-0.63040161	-0.71087646
-0.47279358	-0.73676959	-0.44012451	-0.46240234	-0.16426086
-0.97828674	-0.45925903	-0.64552307	-0.83892822	-0.37028503
-0.90486145	-0.78938293	-0.48777771	-0.79977417	-0.42985535
-0.38682556	-0.71875000	-0.53479004	-0.79666138	-0.28437505
-0.94180298	-0.43542480	-0.70104980	-0.53089905	-0.41763306
-0.33775330	-0.66751099	-0.61035156	-0.50329590	-0.70156860
-0.52865601	-0.83853149	-0.60925293	-0.61395264	-0.59567261
-0.36296082	-0.74053955	-0.05836487	-0.65667725	-0.34642029
-0.25761414	-0.30793762	-0.38989258	0.	-0.54306030
-0.37319946	-0.48416138	-0.35493469	-0.01144409	-0.02082825
-0.01821899	0.	-0.24980164	-0.74403381	-0.57666016
-0.43400574	0.	0.	0.	0.

COMPONENT 2. 2 G-WEIGHTS

0.50000000	-0.50000000	0.65010071	0.28701782	0.
0.26817322	0.52938843	0.02972412	0.15162659	0.
0.02453613	0.75588989	0.67291748	0.55514526	0.62646484
0.50830078	0.43109131	0.64540028	0.32057190	0.49902344
0.71113586	1.00000000	0.90988159	0.46922302	0.25418091
0.63415527	0.23472595	0.74894714	0.13952637	0.33067322
0.96476746	0.91936646	0.31541443	0.41436768	0.37170410
0.54527283	0.52713013	0.21266174	0.87318420	0.51306152
0.81137085	0.	0.82690430	0.	0.51803589
0.66389465	1.00000000	0.61183167	0.10409546	0.82073975
0.22427368	0.59611511	0.50669861	0.27845764	0.75115967
0.08573914	0.79347229	0.88916016	0.59686279	0.59283447
0.30247498	0.74455261	0.54743958	0.78390503	-0.36109924
-0.73670959	-0.51106262	-0.99639893	-0.74758911	-0.49665833
-0.64630127	-0.08641052	-0.47728863	-0.99639893	-0.98071289
-0.49075317	-0.27143860	-0.94726563	-0.34028625	-0.38899231
-0.19158936	-0.42044067	-0.51829529	-0.49172974	-0.30346680
0.	-0.11317444	-0.77343750	-0.72230530	-0.27917480
-0.38981628	-0.40510559	-0.26350403	-0.69589233	-0.19236755
-0.80384827	-0.43354797	-0.36036682	-0.76152039	-0.43493652
-0.61143071	-0.26301575	-0.87548828	-0.99639893	-0.81533813
-0.15130615	-0.50082397	-0.21835327	-0.99639893	-0.42291260
-0.70085144	-0.99639893	-0.35084534	0.	-0.19900513
-0.92758179	-0.23287464	-0.48699951	-0.64562988	-0.22154236
-0.46345520	-0.51119995	-0.37092590	-0.79682922	-0.03442383
-0.17980957	0.	0.	0.	0.

MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24209225
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40872397
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.57535568
** CONTROL=000000000003
3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.57535568

```
COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1     0.          2. 1     0.          3. 1     0.          4. 1     0.          5. 1     0.
  6. 1     0.          7. 1     0.0482998   8. 1     0.          9. 1     0.         10. 1     0.7008889
 11. 1     0.         12. 1     0.         13. 1     0.         14. 1     0.         15. 1     0.
 16. 1     0.         17. 1     0.0665746  18. 1     0.0561781  19. 1     0.         20. 1     0.
 21. 1     0.3423290  22. 1     0.7030932  23. 1     0.         24. 1     0.         25. 1     0.
 26. 1     0.         27. 1     0.         28. 1     0.5603077  29. 1     0.0396706  30. 1     0.
 31. 1     0.         32. 1     0.         33. 1     0.         34. 1     0.         35. 1     0.
 36. 1     0.         37. 1     0.         38. 1     0.6273523  39. 1     0.         40. 1     0.0161153
 41. 1     0.         42. 1     0.         43. 1     0.         44. 1     0.         45. 1     0.
 46. 1     0.         47. 1     0.         48. 1     0.         49. 1     0.         50. 1     0.
 51. 1     0.4356111  52. 1     0.         53. 1     0.         54. 1     0.         55. 1     0.
 56. 1     0.         57. 1     0.5338438  58. 1     0.1937323  59. 1     0.         60. 1     0.1391218
 61. 1     0.         62. 1     0.         63. 1     0.         64. 1     0.         65. 1     0.
 66. 1     0.         67. 1     0.         68. 1     0.         69. 1     0.         70. 1     0.3134740
 71. 1     0.         72. 1     0.          0. 0     0.          0. 0     0.          0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.22824942
   **   CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2     MS =     0.01000000     BIAS =     -0.22824942

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 2    0.9229598   2. 2    0.0770402    0. 0     0.          0. 0     0.          0. 0     0.
SUM NO.   1 IS   0.92296
SUM NO.   2 IS   0.07704

*** 31    INPUT M3        INCENTIFICATION CORRECT
MINPS=000000003007      NCYCS=000000000014      IN ICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.45470835
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.93800925
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.42131014
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.17963969
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.05883448
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.11924708
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1     MS =     0.20000000     BIAS =     -1.11924708

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 1     0.          2. 1     0.          3. 1    0.2301911    4. 1    0.4485374    5. 1    0.1116207
        6. 1    0.7964064    7. 1     0.          8. 1     0.          9. 1     0.         10. 1    0.8010783
       11. 1     0.         12. 1     0.         13. 1     0.         14. 1     0.         15. 1     0.
       16. 1     0.         17. 1     0.         18. 1    0.3683957   19. 1     0.         20. 1     0.
       21. 1     0.         22. 1     0.         23. 1    0.1378477   24. 1     0.         25. 1     0.
       26. 1     0.         27. 1    0.0506958   28. 1    0.2540761   29. 1    0.1836793   30. 1     0.
       31. 1     0.         32. 1     0.         33. 1     0.         34. 1     0.         35. 1     0.
       36. 1     0.         37. 1     0.         38. 1     0.         39. 1     0.         40. 1    0.5790510
       41. 1     0.         42. 1     0.         43. 1     0.         44. 1     0.         45. 1     0.
       46. 1    0.2912590   47. 1     0.         48. 1     0.         49. 1     0.         50. 1     0.
       51. 1     0.         52. 1     0.         53. 1    0.1318226   54. 1     0.         55. 1     0.
       56. 1     0.         57. 1     0.         58. 1     0.         59. 1    0.0952564   60. 1    0.3647274
       61. 1     0.         62. 1     0.         63. 1     0.         64. 1     0.         65. 1     0.
       66. 1     0.         67. 1     0.         68. 1     0.         69. 1     0.         70. 1     0.
       71. 1     0.         72. 1     0.          0. 0     0.          0. 0     0.          0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.42118737
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.46059370
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.98029687
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2     MS =     0.01000000     BIAS =     0.98029687

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 2    0.4046886    2. 2    0.6868071    0. 0     0.          0. 0     0.          0. 0     0.
SUM NO.   1 IS   0.40469
SUM NO.   2 IS   0.68681

*** 32    INPUT V3        INCENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.01346451
   ** CONTROL=000000000001
        1 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -0.01346451

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.           3. 1     0.02 9617    4. 1     0.0511748    5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.0255923    9. 1     0.4101557   10. 1     0.4233695
       11. 1     0.          12. 1     0.0845876   13. 1     0.           14. 1     0.2537556   15. 1     0.
       16. 1     0.3460369   17. 1     0.1956693   18. 1     0.1136892    19. 1     0.0175950   20. 1     0.
       21. 1     0.1087294   22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
       26. 1     0.2121392   27. 1     0.2953040   28. 1     0.1491239    29. 1     0.0020434   30. 1     0.0837327
       31. 1     0.2465617   32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
       36. 1     0.          37. 1     0.2611225   38. 1     0.           39. 1     0.1746746   40.       0.0875416
       41. 1     0.          42. 1     0.           43. 1     0.0444724    44. 1     0.1227255   45. 1     0.0112915
       46. 1     0.          47. 1     0.0958226   48. 1     0.           49. 1     0.           50. 1     0.
       51. 1     0.2674937   52. 1     0.0278048   53. 1     0.1107790    54. 1     0.           55. 1     0.1747574
       56. 1     0.          57. 1     0.           58. 1     0.0373527    59. 1     0.1187780   60. 1     0.
       61. 1     0.0823223   62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.2620758
       66. 1     0.          67. 1     0.1883857   68. 1     0.           69. 1     0.           70. 1     0.1488509
       71. 1     0.1236225   72. 1     0.           0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.21676414
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.85839208
   ** CONTROL=000000000007
        3 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.85839208

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2     0.7693081    2. 2     0.2551371    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.76931
SUM NO.   2 IS    0.25519

*** 33    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000005      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37958981
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.80675241
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.23391502
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.02033372
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.12712437
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.07372905
   ** CONTROL=000000000007
        6 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -1.07372905

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.           3. 1     0.6447317    4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.          13. 1     0.           14. 1     0.          15. 1     0.4057391
       16. 1     0.          17. 1     0.          18. 1     0.0003187    19. 1     0.          20. 1     0.
       21. 1     0.          22. 1     0.1685669   23. 1     0.           24. 1     0.          25. 1     0.
       26. 1     0.          27. 1     0.          28. 1     0.0962025    29. 1     0.          30. 1     0.
       31. 1     0.          32. 1     0.          33. 1     0.           34. 1     0.0601598   35. 1     0.
       36. 1     0.          37. 1     0.          38. 1     0.40 7363    39. 1     0.          40. 1     0.
       41. 1     0.          42. 1     0.          43. 1     0.           44. 1     0.          45. 1     0.5130792
       46. 1     0.4004789   47. 1     0.          48. 1     0.           49. 1     0.          50. 1     0.2344066
       51. 1     0.5686808   52. 1     0.2970937   53. 1     0.           54. 1     0.          55. 1     0.
       56. 1     0.          57. 1     0.          58. 1     0.           59. 1     0.          60. 1     0.
       61. 1     0.          62. 1     0.          63. 1     0.           64. 1     0.          65. 1     0.
       66. 1     0.          67. 1     0.6513737   68. 1     0.           69. 1     0.3751016   70. 1     0.
       71. 1     0.          72. 1     0.           0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.83963476
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.16981739
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.83490871
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.00236304
   ** CONTROL=000000000007
        5 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     1.00236304

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2     0.2354061    2. 2     0.7741561    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.23541
SUM NO.   2 IS    0.77416

*** 34    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06852959
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.75675930
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.31233445
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.49021202
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.27912092
    ** CONTROL=000000000007
       5 BIAS CHANGES

       LEVEL   1    MS =     0.20000000    BIAS =     0.27912092

      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 1   0.0197100    2. 1   0.          3. 1   0.2543255    4. 1   0.0826418    5. 1   0.
        6. 1   0.           7. 1   0.          8. 1   0.           9. 1   0.1123213   10. 1   0.0480305
       11. 1   0.1690819   12. 1   0.1036040   13. 1   0.          14. 1   0.1682220   15. 1   0.0108742
       16. 1   0.2139333   17. 1   0.0571176   18. 1   0.1993490   19. 1   0.0939632   20. 1   0.2347865
       21. 1   0.          22. 1   0.          23. 1   0.0662276   24. 1   0.2703249   25. 1   0.
       26. 1   0.0985054   27. 1   0.          28. 1   0.          29. 1   0.2323594   30. 1   0.2062121
       31. 1   0.          32. 1   0.          33. 1   0.          34. 1   0.          35. 1   0.
       36. 1   0.          37. 1   0.0253054   38. 1   0.          39. 1   0.          40. 1   0.
       41. 1   0.1163139   42. 1   0.2036391   43. 1   0.2291163   44. 1   0.0431849   45. 1   0.1341276
       46. 1   0.          47. 1   0.0454642   48. 1   0.          49. 1   0.1255055   50. 1   0.0033634
       51. 1   0.          52. 1   0.0880492   53. 1   0.1009625   54. 1   0.          55. 1   0.2665359
       56. 1   0.0609197   57. 1   0.          58. 1   0.          59. 1   0.1070195   60. 1   0.
       61. 1   0.1613137   62. 1   0.          63. 1   0.          64. 1   0.          65. 1   0.0692022
       66. 1   0.          67. 1   0.          68. 1   0.          69. 1   0.          70. 1   0.
       71. 1   0.1404744   72. 1   0.1183689    0. 0   0.           0. 0   0.           0. 0   0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.23672413
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.47345628
    ** CONTROL=000000000003
       2 BIAS CHANGES

       LEVEL   2    MS =     0.01000000    BIAS =     0.47345628

      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 2   0.           2. 2   1.0000000    0. 0   0.           0. 0   0.           0. 0   0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00000

*** 35    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      33.91556740
    ** CONTROL=000000000003
ARITHMETICC OVER-FLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      17.06195045
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      8.63514185
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      4.42173761
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.31503546
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.26168439
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.73500885
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.47167109
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.34000221
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.40583664
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.37291943
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.38937803
    ** CONTROL=000000000007
       14 BIAS CHANGES

       LEVEL   1    MS =     0.20000000    BIAS =     0.38937803

      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 1   0.1404903    2. 1   0.          3. 1   0.1375158    4. 1   0.1184831    5. 1   0.
        6. 1   0.           7. 1   0.          8. 1   0.           9. 1   0.1480287   10. 1   0.1035933
       11. 1   0.0858013   12. 1   0.0889506   13. 1   0.0708421   14. 1   0.0753910   15. 1   0.1278032
       16. 1   0.1341282   17. 1   0.1270947   18. 1   0.0666351   19.     0.0795996   20. 1   0.0871173
       21. 1   0.          22. 1   0.          23. 1   0.1349009   24. 1   0.1094912   25. 1   0.
       26. 1   0.1665784   27. 1   0.          28. 1   0.          29. 1   0.1045192   30. 1   0.1170743
       31. 1   0.0235244   32. 1   0.0000658   33. 1   0.          34. 1   0.0074314   35. 1   0.
       36. 1   0.          37. 1   0.1169977   38. 1   0.          39. 1   0.          40. 1   0.
       41. 1   0.1667379   42. 1   0.1212685   43. 1   0.1697301   44. 1   0.0949346   45. 1   0.0976021
       46. 1   0.1370917   47. 1   0.0884811   48. 1   0.          49. 1   0.0826402   50. 1   0.1272147
       51. 1   0.          52. 1   0.1560367   53. 1   0.1343722   54. 1   0.          55. 1   0.1288410
       56. 1   0.1247150   57. 1   0.          58. 1   0.          59. 1   0.1731585   60. 1   0.
       61. 1   0.1665190   62. 1   0.          63. 1   0.0521351   64. 1   0.          65. 1   0.1069900
       66. 1   0.          67. 1   0.0875936   68. 1   0.0241443   69. 1   0.0799949   70. 1   0.
       71. 1   0.1062494   72. 1   0.1084746    0. 0   0.           0. 0   0.           0. 0   0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE  NEW BIAS =      0.56000000
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.00721767
    ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.25380499
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.87680450
    ** CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.87680450

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.3439667     2. 2     0.62591 55     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.34397
SUM NO.   2 IS    0.62591

*** 36    INPUT MS        IDENTIFICATION  INCORRECT.

MINPS=000000000004       NCYCS=000000000012       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE. NEW BIAS =      0.06944443
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.48611103
    ** CONTROL=000000000001
        3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.48611103

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.2232201     2. 1     0.0403875     3. 1     0.0919053     4. 1     0.1399671     5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.1348009    10. 1     0.0934243
        11. 1     0.1105882    12. 1     0.0814201    13. 1     0.0945892    14. 1     0.1222234    15. 1     0.0948840
        16. 1     0.1297442    17. 1     0.0760643    18. 1     0.1166846    19. 1     0.0768350    20. 1     0.0943189
        21. 1     0.           22. 1     0.           23. 1     0.1474332    24. 1     0.0974863    25. 1     0.0397211
        26. 1     0.1730215    27. 1     0.           28. 1     0.           29. 1     0.0940817    30. 1     0.0487137
        31. 1     0.0945482    32. 1     0.0843374    33. 1     0.           34. 1     0.0878241    35. 1     0.
        36. 1     0.           37. 1     0.0891487    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.0558196    42. 1     0.0957216    43. 1     0.1033106    44. 1     0.1107894    45. 1     0.0746350
        46. 1     0.0978972    47. 1     0.1111868    48. 1     0.           49. 1     0.0964935    50. 1     0.1016393
        51. 1     0.           52. 1     0.1165242    53. 1     0.1285892    54. 1     0.           55. 1     0.1474086
        56. 1     0.0697152    57. 1     0.           58. 1     0.           59. 1     0.1395763    60. 1     0.
        61. 1     0.1549308    62. 1     0.           63. 1     0.0896427    64. 1     0.           65. 1     0.0876245
        66. 1     0.0490290    67. 1     0.0751563    68. 1     0.0945717    69. 1     0.0956450    70. 1     0.
        71. 1     0.1007200    72. 1     0.1196808     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      5.68669933
    ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      3.09334967
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.79667485
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.14833744
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.82416874
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.98625308
    ** CONTROL=000000000007
        7 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.98625308

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.5741775     2. 2     0.4701484     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.57418
SUM NO.   2 IS    0.47015

*** 37    INPUT MS        INDENTIFICATION CORRECT
MINPS=000000000003       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.36986504
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.80939585
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.24892665
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.02916126
    ** CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.02916126

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.2890209     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.2683356     9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.1241723    15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.7225773    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.5989752    35. 1     0.
        36. 1     0.           37. 1     0.           36. 1     0.           39. 1     0.4444814    40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.0947754    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.5082403
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.7011799
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.3092466    64. 1     0.1674426    65. 1     0.2368165
        66. 1     0.0985444    67. 1     0.6345872    68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.31964490
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.63928983
   ** CONTROL=000000000003
        2 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.63928983

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
      1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.0000

*** 38    INPUT H5        IDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.05502772
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20275486
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.12089179
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.16582307
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.14735718
   ** CONTROL=000000000007
        5 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =     0.14735718

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
      1. 1     0.2199192     2. 1     0.2073374     3. 1     0.2229180     4. 1     0.            5. 1     0.1027271
      6. 1     0.1751052     7. 1     0.0355529     8. 1     0.2201798     9. 1     0.           10. 1     0.
     11. 1     0.0188401    12. 1     0.            13. 1     0.1182438    14. 1     0.           15. 1     0.1819556

     16. 1     0.           17. 1     0.            18. 1     0.           19. 1     0.           20. 1     0.1683696
     21. 1     0.           22. 1     0.            23. 1     0.1766386    24. 1     0.1055561    25. 1     0.0186998
     26. 1     0.0194080    27. 1     0.0574190     28. 1     0.           29. 1     0.           30. 1     0.0616295
     31. 1     0.1239134    32. 1     0.            33. 1     0.0937629    34. 1     0.2702865    35. 1     0.3069537
     36. 1     0.           37. 1     0.            38. 1     0.           39. 1     0.0737433    40. 1     0.
     41. 1     0.0719727    42. 1     0.1260002     43. 1     0.0454876    44. 1     0.0535028    45. 1     0.0502401
     46. 1     0.1954239    47. 1     0.3649353     48. 1     0.0975183    49. 1     0.0529175    50. 1     0.1971387
     51. 1     0.           52. 1     0.            53. 1     0.0245296    54. 1     0.           55. 1     0.
     56. 1     0.0391608    57. 1     0.            58. 1     0.           59. 1     0.           60. 1     0.
     61. 1     0.1165768    62. 1     0.0368574     63. 1     0.           64. 1     0.           65. 1     0.
     66. 1     0.2932431    67. 1     0.0768953     68. 1     0.0451392    69. 1     0.1018461    70. 1     0.
     71. 1     0.0005394    72. 1     0.1539834     0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.42730057
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.85460116
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.64095087
   ** CONTROL=000000000007
        3 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.64095087

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
      1. 2     0.2066147     2. 2     0.7863497     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.20661
SUM NO.   2 IS   0.78635

*** 39    INPUT H6        IDENTIFICATION  INCORRECT.
MINPS=000000000002      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06900007
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.64320228
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURRED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.35610119
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURRED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.71255064
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.39077537
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.22988774
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.31033155
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.27010965
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.24999870
   ** CONTROL=000000000007
        9 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =     0.24999870

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
      1. 1     0.2803069     2. 1     0.0549183     3. 1     0.1531481     4. 1     0.            5. 1     0.1138563
      6. 1     0.0955480     7. 1     0.1029295     8. 1     0.1288878     9. 1     0.           10. 1     0.
     11. 1     0.1570852    12. 1     0.0353953    13. 1     0.0905773    14. 1     0.0523474    15. 1     0.0676492
     16. 1     0.           17. 1     0.            18. 1     0.0061329    19. 1     0.           20. 1     0.0897217
```

```
 21. 1     0.            22. 1     0.            23. 1     0.1281258     24. 1     0.0920812     25. 1     0.1519974
 26. 1     0.1433909     27. 1     0.0744286     28. 1     0.            29. 1     0.            30. 1     0.1104457
 31. 1     0.0911034     32. 1     0.            33. 1     0.0693748     34. 1     0.1372888     35. 1     0.1054310
 36. 1     0.0501271     37. 1     0.            38. 1     0.            39. 1     0.1088351     40. 1     0.
 41. 1     0.1869199     42. 1     0.0699651     43. 1     0.1469735     44. 1     0.1061680     45. 1     0.1165796
 46. 1     0.0985198     47. 1     0.1190720     48. 1     0.1572222     49. 1     0.1092984     50. 1     0.0331594
 51. 1     0.            52. 1     0.            53. 1     0.1013640     54. 1     0.0673339     55. 1     0.
 56. 1     0.1455419     57. 1     0.            58. 1     0.0523775     59. 1     0.            60. 1     0.
 61. 1     0.1576144     62. 1     0.0990480     63. 1     0.            64. 1     0.            65. 1     0.
 66. 1     0.0772561     67. 1     0.1314711     68. 1     0.1294911     69. 1     0.1295312     70. 1     0.
 71. 1     0.0851237     72. 1     0.0517051     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.78670967
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.64335483
   ** CONTROL=000000000007
      3 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.64335483

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 2    0.4112494     2. 2    0.5110187    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.41125
SUM NO.   2 IS    0.51102

*** 40    INPUT H6        IDENTIFICATION  INCORRECT.
MINPS=000000000002      NCYCS=000000000012      INDICT=0 000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06899975
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      4.96798265
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.51849121
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.29374549
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.68137263
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.37518620
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.22209300
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.29863960
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.33691289
   ** CONTROL=000000000007
      9 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =     0.33691.

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 1    0.3854040     2. 1    0.0890733    3. 1     0.1269749    4. 1     0.0240024    5. 1     0.1280424
      6. 1    0.0722633     7. 1    0.0815817    8. 1     0.1191513    9. 1     0.0446606    10. 1    0.
     11. 1    0.1018390    12. 1    0.0757397   13. 1     0.0811342   14. 1     0.0983822   15. 1     0.0970263
     16. 1    0.0071509    17. 1    0.           18. 1    0.0784261   19. 1     0.           20. 1     0.1027610


     21. 1    0.           22. 1    0.           23. 1     0.1211267   24. 1     0.0721067   25. 1     0.0671883
     26. 1    0.1119796    27. 1    0.1055044    28. 1     0.           29. 1     0.           30. 1     0.0953271
     31. 1    0.0921474    32. 1    0.           33. 1     0.0985844   34. 1     0.0638097   35. 1     0.1000268
     36. 1    0.1062166    37. 1    0.0493112    38. 1     0.           39. 1     0.0684845   40. 1     0.0193991
     41. 1    0.1265567    42. 1    0.1180854    43. 1     0.1492661   44. 1     0.1165959   45. 1     0.0914135
     46. 1    0.1155299    47. 1    0.0803721    48. 1     0.0587584   49. 1     0.0774648   50. 1     0.1114050
     51. 1    0.           52. 1    0.           53. 1     0.0784766   54. 1     0.0764060   55. 1     0.
     56. 1    0.1111995    57. 1    0.           58. 1     0.0941480   59. 1     0.           60. 1     0.
     61. 1      0995044    62. 1    0.0856114    63. 1     0.           64. 1     0.           65. 1     0.
     66. 1    0.1188464    67. 1    0.0555488    68. 1     0.1147870   69. 1     0.09125C7   70. 1     0.
     71. 1    0.0774969    72. 1    0.1140019    0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.46756767
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.93513535
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.70135151
   ** CONTROL=000000000007
      3 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.70135151

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 2    0.7662167     2. 2    0.1727786    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.76622
SUM NO.   2 IS    0.17278

*** 41    INPUT H6        INDENTIFICATION CORRECT
MINPS=000000000001      NCYCS=000000000014      INDICT=0000000000001
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```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.41020603
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.89795887
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.38571171
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.14183530
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.01989710
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.08086620
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.08086620

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.3526930     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.3357602    13. 1     0.           14. 1     0.1567979    15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.0153374
        21. 1     0.2206770    22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.2292136
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.3491743    32. 1     0.           33. 1     0.0225404    34. 1     0.           35. 1     0.
        36. 1     0.3891170    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.7050848    44. 1     0.1665744    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.2195101    55. 1     0.7015014
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.6134794    63. 1     0.2129763    64. 1     0.1518798    65. 1     0.3634279
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.05658022
   **   CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.05658022

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0565802     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.05658

*** 42    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.26065548
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.48765603
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.71465658
   **   CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.71465658

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0             2. 1     0.            3. 1     0.            4. 1     0.            5. 1     1.0610930
         6. 1     0.3818021     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.0269126
        16. 1     0.0615953    17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.4466171    28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     1.0000935
        36. 1     0.8527231    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.1395535    49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.1149323    55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.4200297    67. 1     0.           68. 1     0.           69. 1     0.1484707    70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.97834936
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.73917466
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -1.73917466

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0643952     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.08440
SUM NO.   2 IS    0.

*** 43    INPUT H1        INDENTIFICATION CORRECT
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.36179814
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03127868
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.70075923
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.36601897
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.19964884
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.28233390
   ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.28233390

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.0579228    2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.5148539    8. 1     0.           9. 1     0.          10. 1     0.
        11. 1     0.7843239   12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.7064882
        21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.5591998
        31. 1     0.3321625   32. 1     0.1518456   33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.8053764   44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.2104906   50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.4870282   55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     0.7782473   62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.15702242
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.31404485
   ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.31404485

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 44    INPUT V1        INDENTIFICATION CORRECT
MINPS=000000000012      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30434041
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49238741
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.68042441
   ** CONTROL=000000000003
        3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.68042441

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.1286205
         6. 1     0.2443183    7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.1090433   20. 1     0.
        21. 1     0.          22. 1     0.6937383   23. 1     0.          24. 1     0.          25. 1     0.1167223
        26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
        31. 1     0.          32. 1     0.1851306   33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.4560152   37. 1     0.          38. 1     0.8954197   39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.1340233   49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.0464424   55. 1     0.
        56. 1     0.          57. 1     0.6949155   58. 1     0.          59. 1     0.          60. 1     0.1055569
        61. 1     0.          62. 1     0.          63. 1     0.5250328   64. 1     0.8093879   65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.1542652   69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.17826748
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.32458714
   ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -1.32458714

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.9357259    2. 2     0.0319479    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.93573
SUM NO.   2 IS    0.03195

*** 45    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.36446752
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.83207686
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.29968621
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06588154
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.18278387
   ** CONTROL=000000000007
        5 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS      -1.18278387

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.5724829    17. 1     0.           18. 1     0.           19. 1     0.0594916    20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.1284752    24. 1     0.7438178    25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.3360795    30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.5500010    42. 1     0.7646712    43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.5281249    48. 1     0.5465751    49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.1655442    58. 1     0.           59. 1     0.           60. 1     0.0697730
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.1549122     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.05285372
   ** CONTROL=000000000001
      1 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.05285372

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.2255470     2. 2     0.7744530     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.22555
SUM NO.   2 IS    0.77445

*** 46    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31864952
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.51854779
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.71844487
   ** CONTROL=000000000003
      3 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -0.71844487

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.8058570
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.1125676    18. 1     0.0897140    19. 1     0.           20. 1     0.
 21. 1     0.4343933    22. 1     0.7877618    23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.6937202    29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.5369728    39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.4665396    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.5957461    58. 1     0.1769685    59. 1     0.           60. 1     0.1436388
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.4266520
 71. 1     0.           72. 1     0            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.72490622
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.86786181
   ** CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.86786181

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0958596     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.09586
SUM NO.   2 IS    0.

*** 47    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.47491038
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97203402
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.46915767
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.22059585
   ** CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.22059585

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.1592814     4. 1     0.5101042     5. 1     0.
  6. 1     0.8254630     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.7752236
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.4203776    19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.0183665    24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.0750018    28. 1     0.2464442    29. 1     0.1055496    30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.6286872
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.2700560    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.1043045    54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.0174765    60. 1     0.4198885
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.72488934
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.61244467
   ** CONTROL=000000000007
      3 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.61244467

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 2     0.3237068    2. 2     0.5909430    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.32371
SUM NO.   2 IS    0.59094

*** 48    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.08020513
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.15545382
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.23070250
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.19307816
   ** CONTROL=000000000007
      4 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -0.19307816

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
       6. 1     0.           7. 1     0.           8. 1     0.0029509    9. 1     0.5503001   10. 1     0.5164500
      11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.1839239   15. 1     0.
      16. 1     0.3293482   17. 1     0.2401406   18. 1     0.0276378   19. 1     0.          20. 1     0.
      21. 1     0.0701845   22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
      26. 1     0.2097609   27. 1     0.1454358   28. 1     0.2953265   29. 1     0.          30. 1     0.
      31. 1     0.2951986   32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
      36. 1     0.          37. 1     0.2650594   38. 1     0.          39. 1     0.1428049   40. 1     0.
      41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.0892385   45. 1     0.
      46. 1     0.          47. 1     0.0997328   48. 1     0.          49. 1     0.          50. 1     0.
      51. 1     0.3865403   52. 1     0.          53. 1     0.0410669   54. 1     0.          55. 1     0.0232266
      56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.0659761   60. 1     0.
      61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.2549302
      66. 1     0.          67. 1     0.1604993   68. 1     0.          69. 1     0.          70. 1     0.2126449
      71. 1     0.0216245   72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
      0 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =     0.

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 2     0.9489727    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.94897
SUM NO.   2 IS    0.

*** 49    INPUT H4        INDENTIFICATION CORRECT
MINPS=000000000005      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.40621449
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.89742775
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.38864101
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.14303438
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.26583770
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.20443605
   ** CONTROL=000000000007
      6 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -1.20443605

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 1     0.           2. 1     0.           3. 1     0.6285691    4. 1     0.           5. 1     0.
       6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
      11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.4446113
      16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
      21. 1     0.          22. 1     0.0569467   23. 1     0.          24. 1     0.          25. 1     0.
      26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
      31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.0492415   35. 1     0.
      36. 1     0.          37. 1     0.          38. 1     0.2706964   39. 1     0.          40. 1     0.
      41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.6274981
      46. 1     0.3821107   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.2339487
      51. 1     0.6084643   52. 1     0.3378238   53. 1     0.          54. 1     0.          55. 1     0.
      56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
      61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
      66. 1     0.          67. 1     0.7306700   68. 1     0.          69. 1     0.4771545   70. 1     0.
      71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.34522054
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.60044109
   ** CONTROL=000000000003
      2 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =     0.69044109

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 50    INPUT V4        IDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06871457
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     2.85814705
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.46343082
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.76607271
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BI . =     0.41739365
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.24305414
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.33022389
    ** CONTROL=000000000007
       7 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.33022389

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.0867846     2. 1     0.0413660     3. 1     0.2418317     4. 1     0.1503358     5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.2113435    10. 1     0.2350737
        11. 1     0.1100403    12. 1     0.0314561    13. 1     0.0055043    14. 1     0.2601090    15. 1     0.0337870
        16. 1     0.2554947    17. 1     0.           18. 1     0.1578359    19. 1     0.           20. 1     0.2158701
        21. 1     0.           22. 1     0.           23. 1     0.0096927    24. 1     0.3761378    25. 1     0.
        26. 1     0.1646804    27. 1     0.           28. 1     0.           29. 1     0.1846133    30. 1     0.1222533
        31. 1     0.0903574    32. 1     0.           33. 1     0.           34. 1     0.0399137    35. 1     0.
        36. 1     0.           37. 1     0.0146447    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.0726970    42. 1     0.7020198    43. 1     0.1879758    44. 1     0.0734423    45. 1     0.0045828
        46. 1     0.0262147    47. 1     0.0331392    48. 1     0.           49. 1     0.0638005    50. 1     0.0205732
        51. 1     0.           52. 1     0.0859121    53. 1     0.0930018    54. 1     0.           55. 1     0.1157272
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.0904820    60. 1     0.
        61. 1     0.1764640    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.0836186
        66. 1     0.           67. 1     0.2633305    68. 1     0.           69. 1     0.0156482    70. 1     0.
        71. 1     0.0155528    72. 1     0.0950545     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.11596055
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.23192112
    ** CONTROL=000000000003
       2 BIAS CHANGES


        LEVEL   2    MS =     0.01000000    BIAS =     0.23192112

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO    1 IS    0.
SUM NO    2 IS    1.00000

*** 51    INPUT H5        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    24.74210262
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    12.47521806
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     6.34177566
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     3.27505448
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.74169391
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.97501363
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.59167349
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.40000343
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.49583846
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.44792095
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.42396219
    ** CONTROL=000000000007
       15 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =     0.42396219

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.1738845     2. 1     0.1453089     3. 1     0.1537791     4. 1     0.1311737     5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.1223456    10. 1     0.1204548
 11. 1     0.0712733    12. 1     0.0890406    13. 1     0.1074514    14. 1     0.0520295    15. 1     0.1173491
 16. 1     0.0854563    17. 1     0.0559703    18. 1     0.0491782    19. 1     0.0184806    20. 1     0.0654398
 21. 1     0.           22. 1     0.           23. 1     0.1188685    24. 1     0.0924660    25. 1     0.
 26. 1     0.1748338    27. 1     0.           28. 1     0.           29. 1     0.0550214    30. 1     0.0796851
 31. 1     0.1405923    32. 1     0.0043579    33. 1     0.           34. 1     0.0918193    35. 1     0.
 36. 1     0.           37. 1     0.1262096    38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.0817027    42. 1     0.0718450    43. 1     0.1332150    44. 1     0.0847383    45. 1     0.0794533
 46. 1     0.1317579    47. 1     0.0891968    48. 1     0.           49. 1     0.0851516    50. 1     0.1175680
 51. 1     0.           52. 1     0.1200894    53. 1     0.0986143    54. 1     0.           55. 1     0.0993350
 56. 1     0.0752319    57. 1     0.           58. 1     0.           59. 1     0.1508670    60. 1     0.
 61. 1     0.2045613    62. 1     0.           63. 1     0.0481120    64. 1     0.           65. 1     0.0971512
 66. 1     0.           67. 1     0.1307280    68. 1     0.0449918    69. 1     0.0991094    70. 1     0.
 71. 1     0.1039865    72. 1     0.0841455     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.03706470
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.26853237
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.88426620
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.07639928
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.98033275
   ** CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.98033275

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.3390436     2. 2     0.7257840     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.33904
SUM NO.   2 IS    0.72578

*** 52    INPUT H5        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000012      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.48611103
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.60235173
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.54423138
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.51517121
   ** CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.51517121

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.2406216     2. 1     0.0931839     3. 1     0.0653498     4. 1     0.1045564     5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.1705049    10. 1     0.0909244
 11. 1     0.1027673    12. 1     0.0855695    13. 1     0.0605388    14. 1     0.1013905    15. 1     0.0594977
 16. 1     0.0990043    17. 1     0.0943993    18. 1     0.1072654    19. 1     0.0842798    20. 1     0.0914989
 21. 1     0.           22. 1     0.           23. 1     0.1415593    24. 1     0.0845741    25. 1     0.0683002
 26. 1     0.1620825    27. 1     0.           28. 1     0.           29. 1     0.0793069    30. 1     0.0924693
 31. 1     0.0856304    32. 1     0.0907013    33. 1     0.           34. 1     0.1115801    35. 1     0.
 36. 1     0.           37. 1     0.0734721    38. 1     0.           39. 1     0.           40. 1     0.0502759
 41. 1     0.0658723    42. 1     0.0961391    43. 1     0.0987613    44. 1     0.1244628    45. 1     0.0976725
 46. 1     0.0814521    47. 1     0.1320320    48. 1     0.           49. 1     0.0917294    50. 1     0.0471341
 51. 1     0.           52. 1     0.082[illegible]047    53. 1     0.1072529    54. 1     0.           55. 1     0.1199621
 56. 1     0.0872937    57. 1     0.           58. 1     0.           59. 1     0.1221616    60. 1     0.
 61. 1     0.1649676    62. 1     0.           63. 1     0.0966519    64. 1     0.           65. 1     0.1062384
 66. 1     0.           67. 1     0.1067381    68. 1     0.0870036    69. 1     0.1090292    70. 1     0.
 71. 1     0.1105610    72. 1     0.1048618     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     13.28969967
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      6.89484990
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      3.69742495
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.09871250
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE  NEW BIAS =      1.29935628
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.89967817
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.09951723
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.99959770
   ** CONTROL=000000000007
      9 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =     0.99959770

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.5372208     2. 2     0.3920142     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.53722
SUM NO.   2 IS    0.39201

***  53    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS       -0.38545276
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.84735717
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.30926158
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.07830937
    **  CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     -1.07830937

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.3799412     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.3089983     9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.0430983    15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.8188247    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.6591372    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.5395586    40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.0372850    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.6772297
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.1418342
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.3054912    64. 1     0.0824066    65. 1     0.2065714
        66. 1     0.0210157    67. 1     0.6672811    68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.18752401
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.37504804
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     -0.37504804

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

***  54    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06124741
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.41892801
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.24008772
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.15066758
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.19537765
    **  CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.19537765

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.2744041     2. 1     0.1408225     3. 1     0.2028619     4. 1     0.            5. 1     0.2215642
         6. 1     0.3984942     7. 1     0.0322859     8. 1     0.1778322     9. 1     0.           10. 1     0.
        11. 1     0.0432210    12. 1     0.0808421    13. 1     0.0403803    14. 1     0.0207147    15. 1     0.1259630
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.1333393
        21. 1     0.           22. 1     0.           23. 1     0.0749997    24. 1     0.0588742    25. 1     0.0199732
        26. 1     0.           27. 1     0.0783422    28. 1     0.           29. 1     0.           30. 1     0.1349871
        31. 1     0.           32. 1     0.           33. 1     0.0724703    34. 1     0.1370671    35. 1     0.3834311
        36. 1     0.1827648    37. 1     0.           38. 1     0.           39. 1     0.0518594    40. 1     0.
        41. 1     0.0920351    42. 1     0.1623256    43. 1     0.0972480    44. 1     0.0514865    45. 1     0.1121456
        46. 1     0.1112565    47. 1     0.0683354    48. 1     0.0333801    49. 1     0.0211026    50. 1     0.1498114
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.0435371    57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.1752536    62. 1     0.0141713    63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.2833382    67. 1     0.0440520    68. 1     0.0160996    69. 1     0.0635535    70. 1     0.
        71. 1     0.0155752    72. 1     0.1053765     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.95223786
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.72611894
    **  CONTROL=000000000007
        3 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     0.72611894

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.7028830     2. 2     0.2744338     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.70288
SUM NO.   2 IS   0.27443

*** 55    INPUT H6        INDENTIFICATION CORRECT
MINPS=000000000001      NCYCS=000000000014      INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43413353
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.96627654
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49841955
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.23234805
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.09931231
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.16583018
   **  CONTROL=000000000007
        6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.16583018

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.3414850     3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.4248490    13. 1     0.           14. 1     0.1611964    15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.1370204    22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.2315063
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.3702440    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.3372765    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.1772413    44. 1     0.1850384    45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.2284009    55. 1     0.7548956
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.6682120    63. 1     0.2207643    64. 1     0.1090554    65. 1     0.4131317
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.45612516
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.91225033
   **  CONTROL=000000000003
        2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.91225033

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00000

*** 56    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.29029951
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.54116918
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.79203886
   **  CONTROL=000000000003
        3 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -0.79203886

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     1.1794706
  6. 1     0.2326568     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.7205394    28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     1.1689290
 36. 1     0.9689221    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.2785448    49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.0895895    55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.7980306    67. 1     0.           68. 1     0.           69. 1     0.1350483    70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999998
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
   **  CONTROL=000000000005
        6 BIAS CHANGES
```

```
        LEVEL   2     MS =      0.01000000     BIAS =     -2.74999941

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.3645351     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.36454
SUM NO.   2 IS     0.

*** 57    INPUT H1          INDENTIFICATION CORRECT
MINPS=000000000013       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.37150900
    **  CONTROL=00000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.13214584
    **  CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.89278267
    **  CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.51246426
    **  CONTROL=00000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.32230505
    **  CONTROL=00000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.41738465
    **  CONTROL=00000000007
          6 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.41738465

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.5505613     8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.6863190    12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
        16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.5753375


        21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.5851367
        31. 1      0.2420300    32. 1      0.1182899    33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.           37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
        41. 1      0.           42. 1      0.           43. 1      0.6746019    44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.1734128    50. 1      0.
        51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.4617000    55. 1      0.
        56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.6330186    62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1      0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.07620911
    **  CONTROL=00000000001
          1 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.07620911

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.            2. 2      1.0762091     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.07621

*** 58    INPUT V1          INDENTIFICATION CORRECT
MINPS=000000000012       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.30360167
    **  CONTROL=00000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.51734173
    **  CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.73108180
    **  CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.94482186
    **  CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.83795184
    **  CONTROL=00000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.78451683
    **  CONTROL=00000000007
          6 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.78451683

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
        16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.1174862    20. 1      0.
        21. 1      0.           22. 1      0.6870687    23. 1      0.           24. 1      0.           25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.
        31. 1      0.           32. 1      0.2473495    33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.3814704    37. 1      0.           38. 1      0.8731061    39. 1      0.           40. 1      0.
        41. 1      0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.           48. 1      0.0378947    49. 1      0.           50. 1      0.
        51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.0380259    55. 1      0.
        56. 1      0.           57. 1      0.6881923    58. 1      0.           59. 1      0.           60. 1      0.0815430
        61. 1      0.           62. 1      0.           63. 1      0.5102086    64. 1      1.0605696    65. 1      0.
        66. 1      0.           67. 1      0.           68. 1      0.1471490    69. 1      0.           70. 1      0.
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.22551625
    **  CONTROL=00000000001
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.06957820
    ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.06957920

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2    0.9311506     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.93115
SUM NO.   2 IS   0.

*** 59    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37444285
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.87910351
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.38376418
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.13143384
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25759901
    ** CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.25759901

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1    0.            2. 1    0.            3. 1    0.            4. 1    0.            5. 1    0.
         6. 1    0.            7. 1    0.            8. 1    0.            9. 1    0.           10. 1    0.
        11. 1    0.           12. 1    0.           13. 1    0.           14. 1    0.           15. 1    0.
        16. 1    0.6407300    17. 1    0.           18. 1    0.           19. 1    0.0173737    20. 1    0.
        21. 1    0.           22. 1    0.           23. 1    0.1349488    24. 1    0.6968281    25. 1    0.
        26. 1    0.           27. 1    0.           28. 1    0.           29. 1    0.3402129    30. 1    0.
        31. 1    0.           32. 1    0.           33. 1    0.           34. 1    0.           35. 1    0.
        36. 1    0.           37. 1    0.           38. 1    0.           39. 1    0.           40. 1    0.
        41. 1    0.5665324    42. 1    0.7082713    43. 1    0.           44. 1    0.           45. 1    0.
        46. 1    0.           47. 1    0.5220584    48. 1    0.5552226    49. 1    0.           50. 1    0.
        51. 1    0.           52. 1    0.           53. 1    0.           54. 1    0.           55. 1    0.
        56. 1    0.           57. 1    0.0851476    58. 1    0.           59. 1    0.           60. 1    0.
        61. 1    0.           62. 1    0.           63. 1    0.           64. 1    0.           65. 1    0.
        66. 1    0.           67. 1    0.           68. 1    0.           69. 1    0.           70. 1    0.
        71. 1    0.           72. 1    0.1696852    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.11742076
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.23484156
    ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.23484156

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2    0.            2. 2     1.00000000   0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00000

*** 60    INPUT V2        INDENTIFICATION CORRECT
NEW G-WEIGHTS FROM RESULT OF INPUT   60


      COMPONENT   1. 1  G-WEIGHTS

          0.49565125     0.51780701     0.50219727     0.49565125     0.49565125
          0.49565125     0.50097656     0.49565125    -0.50091553    -0.50091553
         -0.50091553    -0.50091553    -0.49334717    -0.50091553    -0.50091553
         -0.50091553     0.48858643     0.48858643     0.48858643     0.51875305
          0.48858643     0.48858643     0.51875305     0.51875305    -0.50749207
         -0.50749207    -0.50749207    -0.50749207    -0.47732544    -0.47732544
         -0.50749207    -0.50749207     0.             0.             0.

      COMPONENT   2. 1  G-WEIGHTS

          0.63209534     0.40434265     0.50080872     0.58238220     0.43537903
          0.40184021     0.42634583     0.61676025    -0.61860657    -0.25668335
         -0.62615967    -0.58100781    -0.37916565    -0.46920776    -0.57934570
         -0.48779297     0.11038208     0.59930420     0.74444580     0.71768188
          0.51420593     0.36923218     0.39979553     0.54489136    -0.40293884
         -0.57723999    -0.43054199    -0.45748901    -0.45765686    -0.78588867
         -0.43054199    -0.45765686     0.             0.             0.

      COMPONENT   3. 1  G-WEIGHTS

          0.52638245     0.50256348    -0.40661621     0.52166748     0.40502930
          0.52384949     0.64662170     0.46722412    -0.22111511    -0.53451538
         -0.41580200    -0.47523499    -0.61260986    -0.76823425    -0.46182251
         -0.51062012     0.             0.98759460     0.89830017     0.38375854
          0.38853455     0.89830017     0.21934509     0.22412109    -0.32196045
         -0.86653137    -0.32196045    -0.39871216    -0.39549255    -0.32196045
         -0.39871216    -0.97459412     0.             0.             0.

      COMPONENT   4. 1  G-WEIGHTS

          0.55307007     0.47036743     0.48800659     0.50215149     0.49519348
          0.49433899     0.48637390     0.51046753    -0.55560303    -0.26081848
         -0.54505920    -0.54545593    -0.59031677    -0.41226196    -0.54602051
         -0.54441833     0.52673340     0.54237166     0.54833984     0.45381165
          0.42118835     0.49572754     0.51138306     0.50039673    -0.28823853
         -0.51074219    -0.50607300    -0.58366394    -0.61628723    -0.49507141
         -0.48913574    -0.51074219     0.             0.             0.
```

COMPONENT 5. 1 G-WEIGHTS

0.42240960	0.42068481	0.43470764	0.44534302	0.78695679
0.42068481	0.62516785	0.44401550	-0.4 40820	0.57011414
-0.55856797	-0.39591079	-0.58479369	-0.58499146	-0.50920105
-0.29910278	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.56221008
-0.48168945	0.	0.79998779	-0.56221008	-0.48168945
-0.63739014	-0.63739014	-0.63739014	0.	0.
		0.		

COMPONENT 6. 1 G-WEIGHTS

0.50520325	0.46995544	0.38372803	0.59025574	0.88647461
0.49244630	0.35559082	0.31628418	-0.53921509	-0.68193054
-0.50124448	-0.25706482	-0.54754639	-0.44117737	-0.60643005
-0.42535400	0.06289473	0.77062988	0.68190002	0.23594666
0.77062988	0.68190002	0.56610437	0.23594666	-0.32296753
-0.47978210	-0.62025452	-0.13413782	-0.47978210	-0.62025452
-0.73593340	-0.60284424	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.87548828	0.66505432	0.50645447	0.37452698	0.37506104
0.46871948	0.36705017	0.36761475	-0.59341431	0.
-0.59635925	-0.59523010	-0.55741211	-0.59773254	-0.42694092
-0.59228025	0.63503374	0.53648987	0.69963074	0.63648987
0.69963074	0.63250732	0.	0.05939721	-0.43827820
-0.52214050	-0.50573730	-0.56241089	-0.50175476	-0.52214050
-0.56573730	-0.50175476	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.48267 92	0.45516968	0.55415344	0.47763062	0.48498535
0.56736755	0.48692322	0.49166870	-0.46543884	-0.49342346
-0.53361511	-0.47158813	-0.47747803	-0.55750667	-0.52372742
-0.47711182	0.73149109	0.65914917	0.27103333	0.48782349
0.73149109	0.23103333	0.25614929	0.67179871	-0.45854187
-0.53535461	-0.47143555	-0.45854187	-0.53535461	-0.79182434
-0.27745056	-0.47143555	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.42179871	0.58250427	0.57870483	0.46527100	0.53855896
0.48646545	0.41044617	0.51620483	-0.53169250	-0.41236877
-0.49349976	-0.41372681	-0.53834644	-0.56533813	-0.54261780
-0.50439453	0.94024658	0.06924602	0.24954224	0.94024658
0.24954224	0.72233582	0.24954224	0.57952250	-0.09019470
-0.93095398	-0.46374512	-0.31854748	-0.80529785	-0.46374512
-0.46374512	-0.46374512	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.50885010	0.22218325	0.86964417	0.27806859	0.88664246
0.72975159	0.24491882	0.25917053	-0.63032532	-0.70005798
-0.62141418	-0.64822388	-0.21928406	-0.51943970	-0.00372314
-0.65748596	0.62837219	0.88905334	0.29682922	0.17869548
0.19255066	0.62837219	0.88905334	0.29682922	-0.56791687
-0.72576904	-0.56791687	-0.55696106	-0.01226807	-0.44419861
-0.56791687	-0.55696106	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.41346741	0.40147400	0.40414429	0.36105347	0.40084839
0.38117961	1.00000000	0.63781738	-0.56542969	-0.58212280
-0.57101440	-0.57551575	-0.56965637	-0.56077576	0.
-0.57543945	0.60455322	0.60455322	0.55355835	0.60455327
0.60455322	0.53954656	0.48858643	0.	-0.46087646
-0.52865601	-0.58345032	0.51568604	-0.46087646	-0.46087646
-0.52865601	-0.46087646	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.45266724	0.46633911	0.45603343	0.56065369	0.69317627
0.46359253	0.46324158	0.44427490	-0.31802368	-0.45561218
-0.55621438	0.57351685	-0.57911682	-0.42921448	-0.55070496
-0.53756714	0.32249451	0.18583679	0.67245483	0.47630470
0.53582764	0.67245483	0.60074964	0.53582764	-0.40733337
-0.47900341	-0.60548401	-0.54397583	-0.40733337	-0.54397583
-0.60548401	-0.40733337	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.39131165	0.43215942	0.45868083	0.57939148	0.56202698
0.57006836	0.44879150	0.55775452	-0.54443359	-0.47796631
-0.44688416	-0.53489685	-0.45358276	-0.45846558	-0.59776306
-0.48594666	0.20439148	0.90771484	0.48367310	0.20439148
0.60403442	0.90771484	0.48367310	0.20439148	-0.28713989
-0.68803406	-0.95684816	-0.56729126	-0.28713989	-0.68803406
-0.26274109	-0.26274109	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.49682617	0.43926294	0.58935547	0.51976013	0.51751709
0.41716003	0.50785828	0.51321411	-0.50370789	-0.53523254
-0.54779053	-0.41239929	-0.53988647	-0.45819092	-0.47030640
-0.53245544	0.29032898	0.11985779	0.66363953	0.87467957
0.27571106	0.60758972	0.77603040	0.37011719	-0.78843689
-0.53556824	-0.34454346	-0.34454346	-0.76222229	-0.53556824
-0.34454346	-0.34454346	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.44525146	0.42782593	0.51448059	0.63385010	0.44828796
0.43074036	0.65266418	0.44685364	-0.35382080	-0.52357483
-0.53717041	-0.53030396	-0.53007507	-0.53594971	-0.51849365
-0.47056580	0.17990112	0.47241211	0.45008850	0.70440674
0.71583557	0.58132935	0.47241211	0.42333984	-0.46624756
-0.45536804	-0.56428528	-0.59666992	-0.32083130	-0.45536804
-0.56428528	-0.58666992	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.90466309	0.42988586	0.47915649	0.40959167	0.33062744
0.39103699	0.54524231	0.50975037	-0.55209351	-0.54151917
-0.11532593	-0.51641846	-0.59712219	-0.51196289	-0.59027100
-0.57525635	0.62600708	0.52714539	0.50999451	0.36898804
0.62600708	0.52714539	0.67587260	0.13880920	-0.48612976
-0.64430237	-0.48612976	-0.38726807	-0.48612976	-0.64430237
-0.37956238	-0.48612976	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.53669739	0.50161743	0.47090149	0.51507568	0.51507568
0.49147034	0.44450378	0.52462769	-0.53343201	-0.46566772
-0.47523499	-0.48782349	-0.56207275	-0.50576782	-0.48422241
-0.48574829	0.18074036	0.60354614	0.18074036	0.69744873
0.89115906	0.89115906	0.18074036	0.37443542	-0.46617126
-0.37223816	-0.17861938	-0.46617126	-0.69534302	-0.46617126
-0.88905334	-0.46617126	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.45108032	0.43058423	0.52191162	0.50755310	0.51977539
0.53715515	0.51239014	0.52000427	-0.53572083	-0.53649902
-0.41973877	-0.28523254	-0.54383850	-0.53726196	-0.59703064
-0.54464722	0.73570251	0.63383484	0.77246094	0.67059326
0.30549622	0.45159912	0.39076233	0.03952026	-0.62953186
-0.41992188	-0.46455383	-0.34219360	-0.44509938	-0.81419373
-0.41992188	-0.46455383	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.47538757	0.48434448	0.43659973	0.45104980	0.63519287
0.41998291	0.46868896	0.62904358	-0.54272461	-0.48588562
-0.50415039	-0.48167419	-0.49217224	-0.47514343	-0.49736023
-0.52119446	0.26841736	0.78237915	0.78237915	0.41920471
0.56121826	0.63157654	0.28636169	0.26841736	-0.52427673
-0.50633240	-0.30307007	-0.64836121	-0.52427673	-0.30307007
-0.66629028	-0.52427673	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.52682495	0.47802734	0.48423767	0.50314331	0.55209351
0.55952454	0.53265331	0.36346436	-0.50166321	-0.54287720
-0.27825928	-0.50260977	-0.50978088	-0.59895325	-0.52590942
-0.53988647	0.58035278	0.61466980	0.61466980	0.36447144
0.56439209	0.60989380	0.34849540	0.30302429	-0.43406677
-0.42276001	-0.68635559	-0.43406677	-0.43406677	-0.42276001
-0.69642639	-0.46945190	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.39065552	0.66343689	0.39323425	0.50282288	0.71249390
0.48852539	0.44419861	0.40457153	-0.58364868	-0.58364868
-0.53276062	-0.57206726	-0.53405762	-0.13615417	-0.52197266
-0.53564453	0.75578308	0.84501648	0.37051392	0.24087524
0.24842834	0.20802307	0.62106323	0.71028137	-0.54768372
-0.67732239	-0.67732239	-0.63691711	-0.16246033	-0.07324219
-0.54768372	-0.67732239	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.42434692	0.48350525	0.34866333	0.34866333	0.99343872
0.42068481	0.34866333	0.63198853	-0.55039978	-0.55966187
-0.57833862	0.	-0.57833862	-0.57652283	-0.57833862
-0.57833862	0.45874023	0.90344238	0.90344238	0.29307556
0.	0.35176086	0.90344238	0.18608093	-0.75439453
-0.75439453	-0.75439453	-0.03280640	0.	-0.19515991
-0.75439453	-0.75439453	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.47869873	0.48684692	0.48829651	0.60238647	0.47229004
0.47999573	0.48872375	0.50273132	-0.51564026	-0.44812012
-0.49188232	-0.46210815	-0.54328918	-0.52243146	-0.49934387
-0.53707886	0.49145508	0.49145508	0.72146606	0.59371948
0.48605347	0.36900330	0.48728343	0.35949707	-0.50723267
-0.49232483	-0.50184631	-0.50184631	-0.50184631	-0.50184631
-0.50184631	-0.49119568	0	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.47189331	0.59271240	0.58247375	0.22985840	0.60014343
0.55043030	0.53396606	0.43846130	0.	-0.59178162
-0.40890503	-0.57585144	-0.62069702	-0.51765442	-0.52633667
-0.75874329	0.	0.78704834	0.43661499	0.39279724
0.78704834	0.78704834	0.43661499	0.38279724	-0.44406128
-0.38110352	-0.38793945	-0.78689575	-0.78689575	-0.44406128
0.38110352	-0.38793945	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.68035889	0.47608948	0.48634338	0.45274353	0.48956299
0.45692444	0.46603394	0.49189758	-0.54856873	-0.42527771
-0.58222961	-0.52621460	-0.37893677	-0.37336731	-0.57054138
-0.59483337	0.68655396	0.49470520	0.41561890	0.33235168
0.68655396	0.41561890	0.48426819	0.48426819	-0.53858948
-0.45535278	-0.34672546	-0.61767578	-0.70094299	-0.34672546
-0.53858948	-0.45535278	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.49856567	0.49836731	0.47543438	0.49870300	0.56262207
0.45013428	0.49160767	0.52447510	-0.51023865	-0.48939514
-0.45249939	-0.51210022	-0.56031799	-0.51634216	-0.44393921
-0.51513672	0.42944336	0.54949951	0.70112610	0.62490845
0.42944336	0.54949951	0.70112610	0.01490784	-0.50778198
-0.50778198	-0.35618591	-0.43238831	-0.70405579	-0.62783813
-0.50778198	-0.35618591	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.38496399	0.45803833	0.40859985	0.40898132	0.46376038
1.00000000	0.40811157	0.46749878	-0.52006531	-0.51173401
-0.48812866	-0.49787903	-0.51539612	-0.51213074	-0.41345215
-0.54118347	0.	0.82386780	0.91003418	0.14347839
0.20925903	0.82386780	0.20925903	0.88020325	-0.64137268
-0.75228882	0.	-0.64137268	-0.75228882	-0.64137268
0.	-0.57125854	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.44763184	0.35240173	0.41700745	0.41378784	0.93736267
0.59773254	0.41700745	0.41702271	-0.57838440	-0.49096680
-0.58799744	-0.25404358	-0.57521057	-0.58799744	-0.47492981
-0.45042419	0.84738159	0.23419189	0.19268799	0.77052307
0.92012024	0.30696106	0.00033569	0.72775269	-0.42808533
-0.12030029	-0.49810791	-0.61384583	-0.49810791	-0.61384583
-0.61384583	-0.61384583	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.60877991	0.41661072	0.44168091	0.43481445	0.45571899
0.46830750	0.73063660	0.44343567	-0.45707703	-0.38819885
-0.59371948	-0.53253174	-0.52827454	-0.54119873	-0.53146362
-0.42749023	0.60078430	0.33332825	0.67897034	0.75376892
0.45935059	0.48632813	0.30630493	0.38111877	-0.51275635
-0.44609070	-0.44609070	-0.39831543	-0.66574097	-0.63876343
-0.44609070	-0.44609070	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.42518616	0.40908813	1.00000000	0.45744324	0.41738892
0.44514465	0.40843201	0.43728638	-0.61434937	-0.54563904
-0.54583740	0.	-0.55378723	-0.54000854	-0.60340881
-0.59693909	0.08819580	0.	0.72203064	0.49250793
0.45971680	0.72203064	0.76063538	0.75482178	-0.73204041
-0.41354370	-0.41354370	-0.69573975	-0.45594788	-0.41354370
-0.41966248	-0.45594788	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.43218994	0.48043823	0.47660828	0.55744934	0.62654114
0.41952515	0.45808411	0.54913330	-0.59835815	-0.64714030
-0.60253906	-0.28561401	-0.23477173	-0.60260010	-0.49057007
-0.53834534	0.40571594	0.53013611	0.52703857	0.76013184
0.72381592	0.36630249	0.16619873	0.52061462	-0.05255127
-0.38290405	-0.44470215	-0.79939270	-0.63635254	-0.40821838
-0.63635254	-0.63946533	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.79914856	0.41224670	0.41949463	0.42288208	0.62957764
0.42573547	0.47236633	0.41850281	-0.60267639	-0.45481873
-0.60717773	-0.33695984	-0.39726257	-0.61599731	-0.37315369
-0.61192322	0.12400818	0.20709229	0.73400879	0.74851990
0.35914612	0.34465027	0.73400879	0.74851990	-0.40693665
-0.65655518	-0.25268555	-0.55897522	-0.64205933	-0.55897522
-0.65655518	-0.26719666	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49627686	0.49525452	0.50956101	0.51177979	0.50181580
0.49749756	0.49774170	0.49394226	-0.50949097	-0.49914551
-0.49485779	-0.51948547	-0.50611877	-0.44921875	-0.51092529
-0.51072693	0.44831848	0.44831848	0.44613647	0.57223511
0.49424744	0.57223511	0.57223511	0.44613647	-0.50863647
-0.50863647	-0.51084900	-0.51084900	-0.43281555	-0.50863647
-0.51084900	-0.50863647	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.53296373	0.43319702	0.48063660	0.54277039	0.49775696
0.43804932	0.60925293	0.46536255	-0.51333618	-0.53263855
-0.51461792	-0.51222229	-0.41273499	-0.49739075	-0.51162720
-0.50540161	0.57615662	0.73339844	0.57951355	0.54930115
0.49034119	0.50489807	0.29115295	0.27517700	-0.49163818
-0.46043823	-0.49163818	-0.49504089	-0.33415222	-0.49163818
-0.52165222	-0.63378662	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.49813843	0.48828125	0.48373413	0.47547913	0.46781921
0.49739075	0.45715332	0.63197327	-0.35221863	-0.53009033
-0.53009033	-0.53979492	-0.42781067	-0.54232788	-0.54753113
-0.53009033	0.79998779	0.	0.79998779	0.79998779
0.	0.79998779	0.	0.79998779	-0.58389282
-0.58389282	-0.58389282	0.	-0.58389282	-0.55479431
-0.55479431	-0.55479431	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.50495911	0.56291199	1.00000000	0.33409119	0.43403625
0.36521912	0.34007263	0.45838928	-0.67512512	-0.34857178
-0.67625427	-0.67428589	-0.68911743	-0.30541992	-0.45991516
-0.17124939	0.94012451	0.37577820	0.	0.80381775
0.94012451	0.	0.	0.946[illegible]2451	-0.20825195
-0.70687866	-0.70687866	-0.07345581	-0.20[illegible]	-0.70687866
-0.70687866	-0.68247986	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.54351807	0.53964233	0.55557251	0.51153564	0.49690247
0.56712341	0.47508240	0.31079102	-0.50247192	-0.54815674
-0.50370789	-0.53550720	-0.43626404	-0.46398926	-0.52273560
-0.48733521	0.67167664	0.79304504	0.20695496	0.79304504
0.32829285	0.20695496	0.32829285	0.67167664	-0.35302734
-0.31317139	-0.89926147	-0.43453979	-0.35302734	-0.31317139
-0.89926147	-0.43453979	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.52651978	0.40219116	0.78195190	0.41429138	0.60591125
0.40267944	0.40219116	0.46421814	-0.64073181	0.
-0.64073181	-0.63830566	-0.64062500	-0.44528198	-0.46578979
-0.52850342	0.67349243	0.82453918	0.	0.
0.67270605	0.82453918	0.17913818	0.82453918	-0.62640381
-0.62661743	0.	-0.62661743	-0.62661743	-0.24047852
-0.62661743	-0.62661743	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.55712891	0.44107056	0.44450378	0.44723511	0.44006348
0.49215698	0.73887634	0.43891907	-0.51278687	-0.53793335
-0.45643616	-0.45184326	-0.45251465	-0.53691101	-0.51435852
-0.53715515	0.34265137	0.53703308	0.56091309	0.65275574
0.53703308	0.65275574	0.46606445	0.25080872	-0.54949951
-0.38665771	-0.57336426	-0.50241089	-0.47851563	-0.54949951
-0.38665771	-0.57336426	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.44471741	0.68969727	0.43820190	0.44602966	0.48132324
0.50090027	0.55551147	0.44357300	-0.53680420	-0.55039978
-0.55499268	-0.55497742	-0.49754333	-0.19764709	-0.55218506
-0.55541992	0.50915527	0.50102234	0.57151794	0.59580994
0.55264282	0.59580994	0.53648376	0.13752747	-0.43984985
-0.48301697	-0.49916077	-0.49916077	-0.53463745	-0.48301697
-0.52648926	-0.53463745	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48757935	0.51202393	0.48538208	0.48860168	0.61396790
0.42375183	0.48294067	0.50573730	-0.51271057	-0.52496338
-0.51057434	-0.56245422	-0.52874756	-0.33244324	-0.51132202
-0.51675415	0.64317322	0.64317322	0.50628552	0.43704224
0.65266418	0.51780701	0.44654846	0.15126038	-0.42338562
-0.42338562	-0.55825806	-0.42550659	-0.42338562	-0.55825806
-0.55825806	-0.62953186	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.46936035	0.44059753	0.48696899	0.50028992	0.41291809
0.49626160	0.67176819	0.52180481	-0.59849548	-0.60212708
-0.64440918	-0.16416931	-0.68252563	-0.63722229	-0.67100525
0.	0.58909607	0.58209229	0.58209229	0.36062458
0.58909607	0.58209229	0.35383606	0.36082458	-0.67430115
-0.44587708	-0.44587708	-0.66419983	-0.43896484	-0.44587708
-0.44587708	-0.43896484	0.	0.	0.

COMPONENT 43. 1 G-WEIGHT.

0.64649963	0.38871765	0.43753052	0.35954285	1.00000000
0.37690735	0.41049194	0.38026428	-0.52609253	-0.40060425
-0.48124695	-0.49191284	-0.52978516	-0.51837158	-0.56546021
-0.48649597	0.66333008	0.66333008	0.68722534	0.47634888
0.44638062	0.53167725	0.53167725	0.	-0.45014954
-0.45014954	-0.64541626	-0.45837402	-0.45014954	-0.45014954
-0.64541626	-0.45014954	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.50004578	0.49485779	0.50834656	0.56857300	0.45135498
0.48800659	0.49786377	0.49090576	-0.54768372	-0.43133545
-0.55404663	-0.45275879	-0.47836304	-0.53144836	-0.54638672
-0.45796204	0.54206848	0.22032166	0.60212708	0.73158264
0.40985107	0.41824341	0.47314453	0.60261536	-0.34255981
-0.57902527	-0.52418518	-0.39469910	-0.71638489	-0.52418518
-0.52418518	-0.39469910	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.48428345	0.36111450	0.79457092	0.61141968	0.40994263
0.43666077	0.46195984	0.44001770	-0.59793091	-0.53950500
-0.53889465	-0.53764343	-0.52835087	-0.32942200	-0.59623718
-0.33197021	0.03575134	0.06608582	0.75601196	0.76286316
0.45355225	0.77311707	0.72752380	0.42506409	-0.39485168
-0.41372681	-0.74224854	-0.39485168	-0.44052124	-0.44052124
-0.76113892	-0.41209412	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.47856140	0.38652039	0.71495056	0.46536255	0.37182617
0.57575989	0.47544861	0.53152466	-0.56582642	-0.49807739
-0.52172852	-0.48567200	-0.37014771	-0.54896545	-0.52191162
-0.48784038	0.52191162	0.15518188	0.78649902	0.78649902
0.54347229	0.44194031	0.56558228	0.19885254	-0.42378235
-0.42378235	-0.42378235	-0.79045105	-0.42378235	-0.42378235
-0.42378235	-0.66680908	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.47294617	0.45770264	0.47724915	0.46731567	0.83038330
0.41400146	0.44540405	0.43496704	-0.52899170	-0.47827148
-0.52522278	-0.53007507	-0.50141907	-0.51211548	-0.52915955
-0.39471436	0.	0.55265808	0.66595459	0.71914673
0.65298462	0.55265808	0.71914673	0.13743591	-0.49462891
-0.67835259	-0.46765137	-0.13436689	-0.46765137	-0.48138428
-0.58341980	-0.13436689	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.45249939	0.57189941	0.38078308	0.57133484	0.64149475
0.45971680	0.49171448	0.43052673	-0.48617554	-0.70855713
-0.19670105	-0.76466370	-0.10124207	-0.56256104	-0.69245911
-0.48759460	0.	0.65562439	0.62803650	0.65562439
0.80433655	0.75048828	0.40324402	0.10261536	-0.34248352
-0.46362305	-0.46362305	-0.68394470	-0.43513489	-0.46362305
-0.46362305	-0.68394470	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.50415039	0.49357605	0.51179504	0.40051270	0.53436279
0.53009033	0.52671814	0.49876404	-0.53596971	-0.47563171
-0.50354004	-0.52192688	-0.52073669	-0.51527405	-0.46768188
-0.45921326	0.45782471	0.08299678	0.11555481	0.86473083
0.41821289	0.79884338	0.83787537	0.42398071	-0.41276550
-0.37373352	-0.82026672	-0.78759766	-0.41276550	-0.37373352
0.37373352	-0.44538879	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.56632996	0.50403936	0.32197266	0.39909363	0.57225037
0.45198059	0.59646606	0.38777161	-0.60479736	-0.55439758
-0.53598022	-0.13342285	-0.50976563	-0.54821777	-0.58161926
-0.53175354	0.22296143	0.76402283	0.76402283	0.58763123
0.60490417	0.61183167	0.42189026	0.02270508	-0.58831787
-0.40255737	-0.60655212	-0.40255737	-0.40255737	-0.40255737
-0.60655212	-0.58831787	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.48300171	0.40284729	0.40284729	0.49809265	0.46978760
0.73580033	0.60470581	0.40284729	-0.66207886	0.
-0.48794556	-0.60165405	-0.29026794	-0.62921143	-0.66439819
-0.66439819	0.26046753	0.69302368	0.83441162	0.26046753
0.26046753	0.83441162	0.55033875	0.30638123	-0.36967468
-0.62979126	-0.62979126	-0.11163330	-0.36967468	-0.62979126
-0.62979126	-0.62979126	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.37419128	0.50738525	0.65867615	0.38114929	0.47006226
0.48355103	0.61535645	0.51051331	-0.46040344	-0.56040955
-0.46369934	-0.47296143	-0.56997681	-0.53736877	-0.48916626
-0.44689941	0.28089905	0.07412720	0.86906433	0.54171753
0.33496094	0.82910156	0.50175476	0.56826782	-0.36643982
-0.36643982	-0.69377136	-0.57325745	-0.36643982	-0.36643982
-0.69377136	-0.57325745	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51521301	0.48289490	0.48991394	0.52507019	0.50581360
0.49058533	0.47845459	0.51200867	-0.37104797	-0.50653076
-0.54109192	-0.49667358	-0.53923035	-0.50068665	-0.54846191
-0.49626634	0.53283691	0.53283691	0.09649658	0.51255798
0.27714539	0.57185364	0.66897583	0.80726149	-0.52261353
-0.42549133	-0.42549133	-0.62643433	-0.86178589	-0.42549133
-0.42549133	-0.28718567	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.44293213	0.60935974	0.59046936	0.48138428	0.44293213
0.44581604	0.54011536	0.44694519	-0.40832520	-0.52607727
-0.52586365	-0.48521423	-0.48760986	-0.52510071	-0.51487732
-0.52690125	0.00929260	0.77395630	0.85543823	0.67601013
0.57055664	0.69038391	0.40066528	0.02366638	-0.57951355
-0.57951355	-0.56037903	-0.29011536	-0.56037903	-0.37037329
-0.47416687	-0.57951355	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.39390564	0.38415527	0.67710876	0.44802856	0.46046448
0.56871033	0.65138245	0.41622925	-0.48667908	-0.41094971
-0.50958252	-0.55599976	-0.53990173	-0.52754211	-0.54981995
-0.41946411	0.10173035	0.60934448	0.65393066	0.64729309
0.48387146	0.47375488	0.51832581	0.51170349	-0.47810364
-0.47810364	-0.43354797	-0.44017029	-0.61019897	-0.60359192
-0.47810364	-0.47810364	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.47967529	0.48255920	0.54127502	0.53877258	0.49092102
0.46977234	0.53877258	0.45823669	-0.46003723	-0.45529175
-0.53045354	-0.53228760	-0.59617615	-0.45841980	-0.47355652
-0.49322464	0.73141479	0.21870422	0.25338745	0.30010986
0.36181030	0.76609802	0.71505737	0.25338745	-0.80001831
-0.36869812	-0.36869812	-0.41972351	-0.88145447	-0.36869812
-0.41972351	-0.37294006	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.39741516	0.39741516	0.39741516	0.53785706	0.49757385
0.57231140	0.73820496	0.46176147	-0.45210266	-0.65147400
-0.64898682	-0.12065125	-0.49320984	-0.65147400	-0.36920166
-0.61286926	0.88386536	0.22695923	0.53013611	0.88386536
0.25024414	0.02777100	0.35768127	0.83943176	-0.28457642
-0.73501587	-0.73501587	-0.01666260	-0.73501587	-0.73501587
-0.73501587	-0.02366638	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.46232605	0.64993286	0.49775696	0.52014160	0.46102905
0.47109985	0.47694397	0.46075439	-0.52740479	-0.52604675
-0.52340698	-0.39045715	-0.53305603	-0.52659607	-0.51914978
-0.46382141	0.72332764	0.31031799	0.75329590	0.35997009
0.45941162	0.35997009	0.31031799	0.72332764	-0.48712158
-0.60627747	-0.50680542	-0.19325256	-0.48712158	-0.60627747
-0.50680542	-0.60627747	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52107239	0.45381165	0.50556946	0.46432495	0.48666382
0.52479553	0.50164795	0.54208374	-0.47709656	-0.48143005
-0.48841858	-0.50044250	-0.55369568	-0.49197388	-0.52980042
-0.47709656	0.54338074	0.44950867	0.63792419	0.54403687
0.32183838	0.41571045	0.54403687	0.54338074	-0.73710632
-0.42092896	-0.42092896	-0.51487732	-0.42092896	-0.64317322
-0.42092896	-0.42092896	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.51393127	0.47985840	0.67858887	0.44538879	0.44676208
0.44561768	0.54776001	0.44206238	-0.20831299	-0.58139038
-0.42140198	-0.58216858	-0.58262634	-0.57170105	-0.47315979
-0.57920837	0.14512634	0.60215759	0.79191589	0.60098267
0.40752847	0.29162598	0.67553711	0.48468018	-0.34005737
-0.60623169	-0.60287476	-0.60623169	-0.60623169	-0.22230530
-0.41313171	-0.60287476	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.41908264	0.38873291	0.45129395	0.42454529
0.45317078	0.41395569	0.44917297	-0.54669189	-0.50003052
-0.54243469	-0.49453735	-0.50881958	-0.51116943	-0.43968201
-0.45660400	0.62467957	0.68612671	0.68612671	0.34611511
0.62467957	0.68612671	0.34611511	0.	-0.46011353
-0.41720581	-0.71267700	-0.46011353	-0.46011353	-0.46011353
-0.56953430	-0.46011353	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.48191833	0.46641541	0.45121765	0.48191833	0.46043396
0.67094421	0.48191833	0.50518799	-0.52595520	-0.31311035
-0.53309631	-0.56083679	-0.40011597	-0.53588867	-0.56198120
-0.56896973	0.60180664	0.47279358	0.49647522	0.62551880
0.60180664	0.60180664	0.47279358	0.12698364	-0.45457458
-0.58360291	-0.55989075	-0.45457458	-0.45457458	-0.45457458
-0.45457458	-0.58360291	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.35890198	0.54937744	0.98133850	0.35368347	0.35568237
0.49456787	0.38252258	0.52389526	-0.54727173	-0.54716492
-0.54597473	-0.46509033	-0.52082825	-0.43244934	-0.47470093
-0.52647400	0.15406799	0.90615845	0.16897693	0.93072510
0.31347656	0.32638550	0.32638550	0.87577820	-0.52777100
-0.51513672	-0.51513672	-0.52777100	-0.52777100	-0.52777100
-0.51513672	-0.34346008	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.48358154	0.45448303	0.41594360	0.43594360	0.61050415
0.44259644	0.50505066	0.41185120	-0.56985474	-0.66047668
-0.66047668	-0.60299683	-0.31690979	-0.61080933	-0.57844543
0.	0.80799866	0.	0.80799866	0.80799866
0.	0.	0.80799866	0.76797485	-0.63932800
0.	-0.68032837	-0.68032837	-0.63932800	0.
-0.68032837	-0.68032837	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.41416931	0.55018616	0.44830327	0.68307495	0.44752502
0.37863159	0.44116211	0.63691711	-0.38455200	-0.40699768
-0.55462546	-0.59133911	-0.52456665	-0.37411499	-0.63787842
-0.52587891	0.46017446	0.27378845	0.71040344	0.77108765
0.46334839	0.50251770	0.56317139	0.25547791	-0.44581604
-0.38517761	-0.69285583	-0.44581604	-0.44581604	-0.69285583
-0.44581604	-0.44581604	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	0.61386108	0.40252686	0.31974792	0.36985779
0.47505188	0.41145325	0.40747070	-0.53321838	-0.50575256
-0.47717285	-0.52362061	-0.47334290	-0.55451965	-0.41940308
-0.51293945	0.04997253	0.93716431	0.93716431	0.01608276
0.15527344	0.15527344	0.81185913	0.93716431	-0.63357544
-0.79254150	0.	-0.63357544	-0.63357544	0.
-0.63357544	-0.67314148	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.37203479	0.33862305	0.35684204	0.49186707	0.70535278
0.53431702	0.38186646	0.81887817	-0.50457764	-0.57229614
-0.51850891	-0.50027466	-0.32292175	-0.48698425	-0.57461548
-0.51959229	0.24417114	0.75148010	0.75148010	0.75148010
0.60829163	0.35481262	0.33947754	0.19876099	-0.44042969
-0.44042369	-0.31585693	-0.44042969	-0.44042969	-0.59463501
-0.74780273	-0.57994080	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49963379	0.55377197	0.49876404	0.49035645	0.48881531
0.49174500	0.49047852	0.48631287	-0.49017334	-0.50077820
-0.49598694	-0.50971985	-0.50152588	-0.50366211	-0.49757935
-0.51046753	0.65937805	0.38896179	0.29228210	0.65937805
0.37371826	0.30749512	0.65937805	0.65937805	-0.62612915
-0.54464722	-0.61088562	-0.25904846	-0.54464722	-0.52940369
-0.62612915	-0.25904846	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.43220520	0.66558838	0.40783691	0.37509155	0.74247742
0.41558838	0.50135803	0.45980835	-0.51919556	-0.58573914
-0.58413696	-0.28466797	-0.37303167	-0.55725098	-0.55355835
-0.54235840	0.04110718	0.02742004	0.91552734	0.44140625
0.81112671	0.91552734	0.43695068	0.41088867	-0.46687317
-0.86349487	-0.44218445	-0.24307251	-0.46687317	-0.80749512
-0.24307251	-0.46687317	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.49238586	0.51243591	0.49845886	0.54483359	0.49238586
0.49388123	0.47355652	0.49238586	-0.55456543	-0.51416016
-0.49668884	-0.54745483	-0.55271912	-0.55456543	-0.57963562
-0.20016479	0.71913147	0.20489502	0.28085327	0.79512024
0.74453735	0.23028564	0.25546265	0.76968384	-0.08795166
-0.60220337	-0.55163574	-0.55163574	-0.55163574	-0.55163574
-0.55163574	-0.55163574	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53567505	0.52392578	0.49940491	0.49780273	0.51188660
0.52169600	0.43237305	0.47720337	-0.46163940	-0.53921509
-0.48698425	-0.47489929	-0.53767395	-0.48832703	-0.48989868
-0.52133179	0.61013794	0.29566956	0.28776550	0.31123352
0.66871216	0.62521362	0.63311768	0.58802795	-0.74978638
-0.39028931	-0.43533325	-0. 1377758	-0.74978638	-0.39028931
-0.43533325	-0.43533325	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.51118469	0.49598694	0.56300354	0.49890137	0.44505310
0.43487549	0.55496216	0.49598694	-0.40296936	-0.52685547
-0.54499817	-0.53533936	-0.50205994	-0.60020447	-0.53533936
-0.35220337	0.04901123	0.71838379	0.71376038	0.36399841
0.36863708	0.59851074	0.59382629	0.59382629	-0.17807007
-0.52777100	-0.48840332	-0.48816528	-0.48840332	-0.49305725
-0.49305725	-0.49305725	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.	0.61903381	0.52355957
0.54240417	0.67794495	0.71353149	0.87489319	0.50292969
0.44673157	0.11290823	0.96160889	0.52807617	0.58212280
0.29371643	1.00000000	1.00000000	0.98229980	0.13026428
1.	0.13961792	0.33850098	0.65414429	0.
0.50765991	0.68618774	0.00173950	0.59544373	0.38560486
0.00067139	0.77244568	0.61322021	1.00000000	1.00000000
0.13393367	0.20893860	0.80551147	1.00000000	0.43420410
0.28662213	1.00000000	1.00000000	0.	0.37899780
0.56613153	0.	0.73533630	0.45520020	0.99324036
1.00000000	0.47239685	0.98320007	0.38232422	0.
0.52851868	0.02600098	1.00000000	0.	0.99302673
0.13768005	0.	0.29247742	0.03936768	-0.53996277
-0.66187939	-0.58563232	-0.53718323	-0.13543701	-0.91676331
-0.53274536	-0.57914734	-0.66127319	-0.66320801	0.
-0.94779968	-0.44947268	-0.76663318	-0.94587708	-0.46818542
-0.91754150	-0.31880352	-0.57919312	-0.82513428	-0.55488586
-0.44559138	-0.86953735	-0.47434378	-0.94779968	0.
-0.87796638	0.21600369	-0.75578304	0.43263245	0.56502869
-0.10394287	-0.73233521	0.61437[illegible]	-0.45428467	0.83959961
-0.32800293	-0.61475037	-0.66825[illegible]	-0.61758423	0.64505005
-0.53485657	0.88946533	.	0.59544922	-0.36610527
0.72414[illegible]	0.13543[illegible]	0.68773[illegible]	-0.04212957	-0.72660828
[illegible]	[illegible]	-0.29841[illegible]	0.	-0.04212957
-0.14212[illegible]	.	[illegible]	0.84417988	0.65403748
-0.1[illegible]	.	0.	.	.

```
COMPONENT   2. 2  G-WEIGHTS

      0.50000000      -0.50000000      0.79731750      0.            0.09835815
      0.               0.14979553      0.20027161      0.14599609    0.
      0.               0.75440979      0.34326172      0.58903503    0.89759827
      0.53344727       0.55513000      0.60548401      0.            0.73335266
      0.87940979       0.98994446      0.94822693      0.30314636    0.42070007
      0.95108032       0.03440857      0.87940979      0.04033933    0.
      0.94822693       0.92401123      0.64549255      0.89759827    0.11547852
      0.61723328       0.51843262      0.              0.94822693    0.42091370
      0.79121399       0.              0.94822693      0.            0.66921997
      0.89759827       0.98994446      0.88417053      0.            0.75585938
      0.               0.71731567      0.18914795      0.07591248    0.66432190
      0.               0.83383179      0.82771301      0.36192322    0.88629150
      0.44815063       0.90269470      0.34585571      0.92401123    -0.23315430
     -0.99967957      -0.80825806      -0.87875366     -0.92979431   -0.84419250
     -0.87966919      -0.04211426      -0.41293335     -0.99967957   -0.98287964
     -0.49475098      -0.25395203      -0.99967957     -0.65083313   -0.119 4744
     -0.04211426      -0.64462200      -0.30195618     -0.34999084   -0.14451599
      0.              -0.04211426      -0.60095215     -0.56823730   -0.10925293
     -0.06835938      -0.13021851      -0.14451599     -0.99967957   -0.26329041
     -0.99967957      -0.30944824      -0.07728577     -0.99967957   -0.99967957
     -0.22172546      -0.35037231      -0.86589050     -0.99967957   -0.99967957
     -0.04211426      -0.58891296      -0.21524048     -0.99967957   -0.12818909
     -0.99967957      -0.99967957      -0.11645508     0.            -0.07728577
     -0.99967957      -0.07728577      -0.44407654     -0.89222717   -0.19941711
     -0.43458557      -0.48637390      -0.41268921     -0.93696594   -0.04211426
     -0.14451599      0.               0.              0.            0.
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35817437
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.61771074
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.87724711
   **   CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.87724711

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.8194884
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.1010528   18. 1     0.1003260   19. 1     0.          20. 1     0.
        21. 1     0.5929533   22. 1     0.7826257   23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.7902155   29. 1     0.          30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.4320761   39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.3672326   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.5929723   58. 1     0.1396624   59. 1     0.          60. 1     0.1344327
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.5761901
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **   CONTROL=000000000005
          4 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.49999991

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     1.0195116    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.01951
SUM NO.   2 IS    0.

***  61    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.48307796
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.00505014
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.52702232
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.26603623
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.26603623

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.1226479    4. 1     0.5409186    5. 1     0.
         6. 1     0.7805648    7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.8019515
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.5131714   19. 1     0.          20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.0528641   28. 1     0.2084394   29. 1     0.0717395   30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.7195730
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.2220883   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.1056129   54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.5313574
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.70575406
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.10287704
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.80143853
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.95215778
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.87679815
    **  CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =      0.87679815

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     0.3741974     2. 2     0.6699236     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.37420
SUM NO.   2 IS     0.66992

***  62    INPUT V3          INDENTIFICATION CORRECT
MINPS=000000000006        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.11294673
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.23703223
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.36111774
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.29907499
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.29907499

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.8849361    10. 1     0.5140450
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.1509262    15. 1     0.
        16. 1     0.3357891    17. 1     0.3641726    18. 1     0.0125391    19. 1     0.           20. 1     0.
        21. 1     0.0334644    22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.1735602    27. 1     0.           28. 1     0.4276836    29. 1     0.           30. 1     0.
        31. 1     0.3326684    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.3793367    38. 1     0.           39. 1     0.0136273    40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.0776192    45. 1     0.
        46. 1     0.           47. 1     0.0486981    48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.4694936    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.0129147    60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.2623674
        66. 1     0.           67. 1     0.0124645    68. 1     0.           69. 1     0.           70. 1     0.3832059
        71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -5.96200275
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -3.23100138
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.86550069
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.18275034
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.52412552
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.35343793
    **  CONTROL=000000000007
          7 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -1.35343793

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     1.0626476     2. 2     0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     1.06270
SUM NO.   2 IS     0.

***  63    INPUT H4          INDENTIFICATION CORRECT
MINPS=000000000005        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.43367051
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.98739207
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.54111363
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.26425286
    **  CONTROL=000000000007
          4 BIAS CHANGES
```

```
        LEVEL   1    MS =     0.20000000    BIAS =    -1.26425286

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.6868979     4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.6003018
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.0118176    23. 1     0.           24. 1     0            25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.0103176    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.2050572    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.7583191
        46. 1     0.4114755    47. 1     0.           48. 1     0.           49. 1     0            50. 1     0.2707949
        51. 1     0.6768823    52. 1     0.4507750    53. 1     0.           54. 1     0            55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.7244560    68. 1     0.           69. 1     0.6088493    70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.16436063
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.32872127
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.32872127

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.     IS    1.00000

***  64    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06782120
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.23027707
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.64904664
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.35843193
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.21312758
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.28578076
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.32210734
    **  CONTROL=000000000007
        7 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.32210734

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.0831299     2. 1     0.2495119     3. 1     0.3008617     4. 1     0.0593282     5. 1     0.
         6. 1     0.0342653     7. 1     0.            8. 1     0.            9. 1     0.3681388    10. 1     0.2384678
        11. 1     0.0596045    12. 1     0.           13. 1     0.           14. 1     0.1315851    15. 1     0.0782590
        16. 1     0.2311660    17. 1     0.           18. 1     0.1192173    19. 1     0.           20. 1     0.1783085
        21. 1     0.           22. 1     0.           23. 1     0.0568076    24. 1     0.3714395    25. 1     0.
        26. 1     0.0842589    27. 1     0.           28. 1     0.           29. 1     0.1365009    30. 1     0.1424525
        31. 1     0.0861796    32. 1     0.           33. 1     0.           34. 1     0.1416027    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.1214049    42. 1     0.1982459    43. 1     0.1495701    44. 1     0.0988512    45. 1     0.0912630
        46. 1     0.1033704    47. 1     0.1033558    48. 1     0.           49. 1     0.0359876    50. 1     0.1125644
        51. 1     0.           52. 1     0.0447025    53. 1     0.0129104    54. 1     0.           55. 1     0.0192107
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.0262750    60. 1     0.
        61. 1     0.1978395    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.0675351
        66. 1     0.           67. 1     0.3284317    68. 1     0.           69. 1     0.1002505    70. 1     0.
        71. 1     0.0157817    72. 1     0.0320543     0. 0     0.            0. 0     0.            0. 0     0.
        0 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0593695     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.05937

***  65    INPUT H5        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      5.86099309
    **  CONTROL=000000000003
```

```
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      3.03466320
   ** CONTROL=00C000000003
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.62149826
   ** CONTROL=00C000000003
ARITHMETICC OVERFLCW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.91491579
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.56162456
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.38497895
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.47330175
   ** CONTROL=00C000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.42914036
   ** CONTROL=00C000000007
     10 BIAS CHANGES

     LEVEL   1    MS =     0.20000000    BIAS =     0.42914036

    COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
     1. 1    0.1672027    2. 1    0.1232721    3. 1    0.1578461    4. 1    0.1397897    5. 1    0.
     6. 1    0.1361624    7. 1    0.           8. 1    0.0297917    9. 1    0.2749674   10. 1    0.1232333
    11. 1    0.1124650   12. 1    0.1260543   13. 1    0.0968052   14. 1    0.0867800   15. 1    0.0706643
    16. 1    0.0634183   17. 1    0.0881742   18. 1    0.0988715   19. 1    0.          20. 1    0.0783448
    21. 1    0.          22. 1    0.          23. 1    0.1567781   24. 1    0.0845679   25. 1    0.0989996
    26. 1    0.1879277   27. 1    0.          28. 1    0.          29. 1    0.0569385   30. 1    0.1200550
    31. 1    0.1664563   32. 1    0.          33. 1    0.          34. 1    0.1513243   35. 1    0.
    36. 1    0.          37. 1    0.0426885   38. 1    0.          39. 1    0.          40. 1    0.0259966
    41. 1    0.0837860   42. 1    0.0848195   43. 1    0.1353941   44. 1    0.1146442   45. 1    0.1661297
    46. 1    0.1195387   47. 1    0.1156511   48. 1    0.          49. 1    0.0894727   50. 1    0.0996795
    51. 1    0.          52. 1    0.0864617   53. 1    0.1216749   54. 1    0.          55. 1    0.1132544
    56. 1    0.0900333   57. 1    0.          58. 1    0.          59. 1    0.1072379   60. 1    0.
    61. 1    0.2252344   62. 1    0.          63. 1    0.0396087   64. 1    0.          65. 1    0.1217613
    66. 1    0.          67. 1    0.1216187   68. 1    0.0359474   69. 1    0.1225255   70. 1    0.
    71. 1    0.1135442   72. 1    0.1222143    0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.26687662
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.88343832
   ** CONTROL=00C000000007
     3 BIAS CHANGES

     LEVEL   2    MS =     0.01000000    BIAS =     0.88343832

    COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
     1. 2    0.1810251    2. 2    0.7781097    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS   0.18103
SUM NO.   2 IS   0.77811

*** 66    INPUT H5        IC NTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000012      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06964443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.48611103
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.57569052
   ** CONTROL=00C000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.53090078
   ** CONTROL=00C000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.50850591
   ** CONTROL=00C000000007
     6 BIAS CHANGES

     LEVEL   1    MS =     0.20000000    BIAS =     0.50850591

    COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
     1. 1    0.2439471    2. 1    0.0978345    3. 1    0.0711136    4. 1    0.0872511    5. 1    0.
     6. 1    0.0891580    7. 1    0.           8. 1    0.0872758    9. 1    0.2507827   10. 1    0.1007637
    11. 1    0.0798413   12. 1    0.0703224   13. 1    0.0448942   14. 1    0.0845951   15. 1    0.0664171
    16. 1    0.0963617   17. 1    0.0939266   18. 1    0.0862830   19. 1    0.0698302   20. 1    0.0793310
    21. 1    0.          22. 1    0.          23. 1    0.1388409   24. 1    0.0965568   25. 1    0.0894890
    26. 1    0.1435727   27. 1    0.          28. 1    0.          29. 1    0.0780787   30. 1    0.0907808
    31. 1    0.0526484   32. 1    0.0623778   33. 1    0.          34. 1    0.0975614   35. 1    0.
    36. 1    0.          37. 1    0.0703791   38. 1    0.          39. 1    0.          40. 1    0.0863048
    41. 1    0.0662236   42. 1    0.1072432   43. 1    0.0960122   44. 1    0.1138047   45. 1    0.1245276
    46. 1    0.0950046   47. 1    0.1244801   48. 1    0.          49. 1    0.0785646   50. 1    0.0635574
    51. 1    0.0411652   52. 1    0.0815694   53. 1    0.0905789   54. 1    0.          55. 1    0.0894337
    56. 1    0.0711240   57. 1    0.          58. 1    0.          59. 1    0.1009249   60. 1    0.
    61. 1    0.1604260   62. 1    0.          63. 1    0.0819606   64. 1    0.          65. 1    0.0941385
    66. 1    0.          67. 1    0.0943590   68. 1    0.0724514   69. 1    0.1192338   70. 1    0.
    71. 1    0.0932221   72. 1    0.0862318    0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      3.18537143
   ** CONTROL=00C000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.94268573
   ** CONTROL=00C000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.17134288
   ** CONTROL=00C000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.83567145
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.00350717
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.91958931
   ** CONTROL=000000000007
     7 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =     0.91958931

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.572093'    2. 2     0.4240527    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.57209
SUM NO.   2 IS    0.42405

*** 67    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39390813
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.87978290
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.36565767
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.12272029
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.12272029

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.4738061    3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.           8. 1     0.3769263    9. 1     0.           10. 1    0.
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.           15. 1    0.
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.           20. 1    0.
        21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.           25. 1    0.
        26. 1     0.8707113   27. 1     0.          28. 1     0.          29. 1     0.           30. 1    0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.7362751    35. 1    0.
        36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.6821834    40. 1    0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.           45. 1    0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.           50. 1    0.8295611
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.           55. 1    0.0734648
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.           60. 1    0.
        61. 1     0.          62. 1     0.          63. 1     0.2841470   64. 1     0.           65. 1    0.1579910
        66. 1     0.          67. 1     0.6414612   68. 1     0.          69. 1     0.           70. 1    0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.32904133
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.91452067
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.12178099
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -1.12178099

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.           2. 2     1.0020080    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00201

*** 68    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.02281575
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.07268353
    **  CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.07268353

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.1738322    2. 1     0.1306314    3. 1     0.1779812    4. 1     0.           5. 1     0.2907663
         6. 1     0.6560995    7. 1     0.           8. 1     0.3413848    9. 1     0.           10. 1    0.
        11. 1     0.          12. 1     0.1118974   13. 1     0.          14. 1     0.           15. 1    0.1814771
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.           20. 1    0.1400951
        21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.           25. 1    0.
        26. 1     0.          27. 1     0.1573623   28. 1     0.          29. 1     0.           30. 1    0.1226384
        31. 1     0.          32. 1     0.          33. 1     0.0135485   34. 1     0.2101440    35. 1    0.4723375
        36. 1     0.1571879   37. 1     0.          38. 1     0.          39. 1     0.0895220    40. 1    0.
        41. 1     0.          42. 1     0.2220686   43. 1     0.          44. 1     0.           45. 1    0.1133019
        46. 1     0.0788149   47. 1     0.0433868   48. 1     0.          49. 1     0.           50. 1    0.1961429
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.           55. 1    0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.           60. 1    0.
        61. 1     0.1674766   62. 1     0.          63. 1     0.          64. 1     0.           65. 1    0.
        66. 1     0.7095772   67. 1     0.          68. 1     0.          69. 1     0.0095387    70. 1    0.
        71. 1     0.          72. 1     0.0966897    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.37453232
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.74918467
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.56188850
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.65553658
    **  CONTROL=000000000007
          4 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     0.25553654

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2     0.4683519     2. 2     1.0453437      0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS   0.70635
SUM NO.   2 IS   0.04634

*** 69    INPUT NO          IDENTIFICATION CORRECT
MINPS=0000000000 1        NCYCS=0000000000 14        INDICT=0000000000 1


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.45950452
   **  CONTROL=0000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.02955212
   **  CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.59959921
   **  CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.31457567
   **  CONTROL=0000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.17206390
   **  CONTROL=0000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.24331478
   **  CONTROL=0000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.24331478

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1     0.            2. 1     0.3134159      3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.             8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.5507896     13. 1     0.           14. 1     0.1786327    15. 1     0.
 16. 1     0.           17. 1     0.            18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.            23. 1     0.           24. 1     0.           25. 1     0.2544654
 26. 1     0.           27. 1     0.            28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.3439052    32. 1     0.            33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.2607747    37. 1     0.            38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.            43. 1     0.1523226    44. 1     0.2329703    45. 1     0.
 46. 1     0.           47. 1     0.            48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.            53. 1     0.           54. 1     0.2158068    55. 1     0.7895435
 56. 1     0.           57. 1     0.            58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.7141972     63. 1     0.2177619    64. 1     0.           65. 1     0.4888608
 66. 1     0.           67. 1     0.            68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.             0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.47289456
   **  CONTROL=0000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.94578916
   **  CONTROL=0000000000003
      2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.94578916

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2     0.            2. 2     1.0000000      0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00000

*** 70    INPUT NO          IDENTIFICATION CORRECT
MINPS=0000000000 14       NCYCS=0000000000 14        INDICT=0000000000 1


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.55454712
   **  CONTROL=0000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.58998166
   **  CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.87541620
   **  CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.16085075
   **  CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01813348
   **  CONTROL=0000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.94677484
   **  CONTROL=0000000000007
      6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -0.94677484

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     1.0333470
  6. 1     0.0804688     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.            13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.            18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.            23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.9091551     28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.            33. 1     0.           34. 1     0.           35. 1     1.0052141
 36. 1     0.8638425    37. 1     0.            38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.            43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.            48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.            53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.            58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.            63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     1.0348460    67. 1     0.            66. 1     0.           69. 1     0.0007885    70. 1     0.
 71. 1     0.           72. 1     0.             0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **  CONTROL=0000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **  CONTROL=0000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **  CONTROL=0000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -7.49999991
   **  CONTROL=0000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   **  CONTROL=0000000000005
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.74999991
    **  CONTROL=000000000005
          6 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -2.74999991

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     0.9361377     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.93614
SUM NO.   2 IS     0.

*** 71    INPUT H1          INDENTIFICATION CORRECT
MINPS=000000000013       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.38233471
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.17896156
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.97558841
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.57727499
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.37811829
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.47769664
    **  CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.47769664

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.6150116     8. 1     0.            9. 1     0.            10. 1    0.
        11. 1     0.6469429    12. 1     0.           13. 1     0.           14. 1     0.            15. 1    0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.            20. 1    0.5143626
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.            25. 1    0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.            30. 1    0.5996445
        31. 1     0.1685954    3 . 1     0.1468699    33. 1     0.           34. 1     0.            35. 1    0.
        36. 1     0.           7. 1      0.           38. 1     0.           39. 1     0.            40. 1    0.
        41. 1     0.           42. 1     0.           43. 1     0.6419428    44. 1     0.            45. 1    0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.1847987     50. 1    0.
        51. 1     0.           52. 1     0.           53. 1     0.           5 . 1     0.4805503     55. 1    0.
        56. 1     0.           57.       0.           58. 1     0.           59. 1     0.            60. 1    0.
        61. 1     0.5798519    62. 1     0.           63. 1     0.           64. 1     0.            65. 1    0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.            70. 1    0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.08296965
    **  CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.08296965

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     0.            2. 2     1.0829697     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.08297

*** 72    INPUT V1          INDENTIFICATION CORRECT
MINPS=000000000012       NCYCS=000000000014       INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.30773838
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.55928855
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.81083871
    **  CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.81083871

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.            10. 1    0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.            15. 1    0.
        16. 1     0.           17.       0.           18. 1     0.           19. 1     0.1789153     20. 1    0.
        21. 1     0.           22. 1     0.7366295    23. 1     0.           24. 1     0.            25. 1    0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.            30. 1    0.
        31. 1     0.           32. 1     0.4434347    33. 1     0.           34. 1     0.            35. 1    0.
        36. 1     0.4023685    37. 1     0.           38. 1     0.4099385    39. 1     0.            40. 1    0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.            45. 1    0.
        46. 1     0.           47. 1     0.           48. 1     0.0227449    49. 1     0.            50. 1    0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.0124220     55. 1    0.
        56. 1     0.           57. 1     0.7765110    58. 1     0.           59. 1     0.            60. 1    0.1014929
        61. 1     0.           62. 1     0.           63. 1     0.5386055    64. 1     1.1826247     65. 1    0
        66. 1     0.           67. 1     0.           68. 1     0.2328065    69. 1     0.            70. 1    0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.97412200
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.00141242
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -3.02870283
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.51505762
    **  CONTROL=000000000007
          4 BIAS CHANGES
```

```
        EVEL   2    MS        0.01000000    BIAS =    -2.51505762

      COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT
        1. 2     1.0725825    2. 2     0.              0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.07258
SUM NO.   2 IS    0.

*** 73    INPUT H2        IDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38196200
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92485471
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.46772742
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.19629107
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.33200924
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.26415016
    **  CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.26415016

      COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT
        1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
       16. 1     0.7720066   17. 1     0.          18. 1     0.          19. 1     0.0388875   20. 1     0.
       21. 1     0.          22. 1     0.          23. 1     0.2016886   24. 1     0.7139267   25. 1     0.
       26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.4259925   30. 1     0.
       31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
       36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
       41. 1     0.6247653   42. 1     0.7253634   43. 1     0.          44. 1     0.          45. 1     0.
       46. 1     0.          47. 1     0.7351133   48. 1     0.6218159   49. 1     0.          50. 1     0.
       51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
       56. 1     0.          57. 1     0.0749462   58. 1     0.          59. 1     0.          60. 1     0.
       61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
       66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
       71. 1     0.          72. 1     0.2456886    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUT JT OUT OF RANGE, NEW BIAS =    -0.09369601
    **  CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS      -0.09369601

      COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT
        1. 2     0.           2. 2     1.0936960    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.09370

*** 74    INPUT V2        IDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38599005
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.70027988
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01456970
    **  CONTROL=000000000003
          3 BIA  CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.01456970

      COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT       COMP.     OUTPUT
        1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.6947230
       11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
       16. 1     0.          17. 1     0.1111168   18. 1     0.0918539   19. 1     0.          20. 1     0.
       21. 1     0.8409655   22. 1     0.6817482   23. 1     0.          24. 1     0.          25. 1     0.
       26. 1     0.          27. 1     0.          28. 1     0.7643342   29. 1     0.          30. 1     0.
       31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
       36. 1     0.          37. 1     0.          38. 1     0.3315603   39. 1     0.          40. 1     0.
       41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
       46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
       51. 1     0.1595443   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
       56. 1     0.          57. 1     0.5691105   58. 1     0.1053928   59. 1     0.          60. 1     0.0967221
       61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
       66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.6808722
       71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS      -2.49999991
    **  CONTROL=000000000005
          4 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =    -2.49999991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0686141     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.08861
SUM NO.   2 IS    0.

*** 75    .NPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCLS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.48976134
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.02490331
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.56004529
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.29247430
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.29247430

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.1046274     4. 1     0.5991624     5. 1     0.
         6. 1     0.7298734     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.8339637
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.5831519    19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.1774966    29. 1     0.0264028    30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.8101933
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.1835785    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.1178057    54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.6328676
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.93362999
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.21681499
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.85840750
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.85840750

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.3376555     2. 2     0.6169885     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.33766
SUM NO.   2 IS    0.61699

*** 76    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.13654135
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30859594
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.48065053
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39462323
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.39462323

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.9821870    10. 1     0.4802328
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.1478974    15. 1     0.
        16. 1     0.3083216    17. 1     0.5505735    18. 1     0.0011216    19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.0665334    27. 1     0.           28. 1     0.4828728    29. 1     0.           30. 1     0.
        31. 1     0.3569516    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.6384131    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.0573027    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.5242543    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.2538260
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.4817334
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -8.63930893
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -5.06965446
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.28482720
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.39241359
    **  CONTROL=000000000007
          6 BIAS CHANGES
```

```
        LEVEL   2     MS =      0.01000000     BIAS =     -2.39241359

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     0.9847258     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.76473
SUM NO.   2 IS     0.

*** 77    INPUT H4        INDENTIFICATION CORRECT
MINPS=000000000005      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.43928435
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.13072556
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.82216677
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.47644617
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.30358587
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.39001602
    ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.39001602

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1     0.            2. 1      0.            3. 1      0.5902853     4. 1      0.            5. 1      0.
         6. 1     0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1     0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.6782664
        16. 1     0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.
        21. 1     0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
        26. 1     0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.
        31. 1     0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
        36. 1     0.           37. 1      0.           38. 1      0.1078910    39. 1      0.           40. 1      0.
        41. 1     0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.7432905
        46. 1     0.3893268    47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.1266499
        51. 1     0.7186523    52. 1      0.4748273    53. 1      0.           54. 1      0.           55. 1      0.
        56. 1     0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1     0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1     0.           67. 1      0.6805518    68. 1      0.           69. 1      0.6369320    70. 1      0.
        71. 1     0.           72. 1      0.           0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.05947460
    ** CONTROL=000000000001
        1 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.05947460

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     0.            2. 2      1.0594746     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.05947

*** 78    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06773186
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.19421899
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.63097538
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.34935363
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20854275
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.27894819
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.31415090
    ** CONTROL=000000000007
        7 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =      0.31415090

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1     0.0974744     2. 1      0.2945051     3. 1      0.2174839     4. 1      0.0443349     5. 1      0.
         6. 1     0.2521767     7. 1      0.            8. 1      0.1432547     9. 1      0.3879682    10. 1      0.2441345
        11. 1     0.0181792    12. 1      0.           13. 1      0.           14. 1      0.0890583    15. 1      0.1537740
        16. 1     0.2518773    17. 1      0.0749203    18. 1      0.0924315    19. 1      0.           20. 1      0.1649735
        21. 1     0.           22. 1      0.           23. 1      0.0312256    24. 1      0.4073437    25. 1      0.
        26. 1     0.0210947    27. 1      0.           28. 1      0.           29. 1      0.1660976    30. 1      0.1289577
        31. 1     0.0294885    32. 1      0.           33. 1      0.           34. 1      0.1292569    35. 1      0.
        36. 1     0.           37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
        41. 1     0.0666696    42. 1      0.2409237    43. 1      0.1248433    44. 1      0.0630348    45. 1      0.1299187
        46. 1     0.1279053    47. 1      0.0547338    48. 1      0.           49. 1      0.           50. 1      0.2319957
        51. 1     0.0195469    52. 1      0.0542568    53. 1      0.           54. 1      0.           55. 1      0.
        56. 1     0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1     0.1546809    62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.0361442
        66. 1     0.           67. 1      0.2775100    68. 1      0.           69. 1      0.1962578    70. 1      0.
        71. 1     0.           72. 1      0.0570766    0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.16300330
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.32600661
    ** CONTROL=000000000003
        2 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -0.32600661

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2     0.            2. 2     1.0000000      0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 79    INPUT MS        IDENTIFICATION  INCORRECT.
MIN-S=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      4.57483953
   **  CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.39158642
   **  CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.29995987
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.75414659
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.48123996
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.34478664
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.41301329
   **  CONTROL=000000000007
        9 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.41301329

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1     0.1619981     2. 1     0.0921058      3. 1     0.1574847      4. 1     0.1365757      5. 1     0.
  6. 1     0.1822764     7. 1     0.             8. 1     0.1294027      9. 1     0.2662513     10. 1     0.1383988
 11. 1     0.0932380    12. 1     0.0922145     13. 1     0.0309844     14. 1     0.0959840     15. 1     0.0577970
 16. 1     0.0377609    17. 1     0.1488866     18. 1     0.0893246     19. 1     0.            20. 1     0.0426094
 21. 1     0.           22. 1     0.            23. 1     0.1477161     24. 1     0.0421508     25. 1     0.1247454
 26. 1     0.1693132    27. 1     0.            28. 1     0.            29. 1     0.0149705     30. 1     0.1192003
 31. 1     0.1614030    32. 1     0.            33. 1     0.            34. 1     0.1587213     35. 1     0.
 36. 1     0.           37. 1     0.0985577     38. 1     0.            39. 1     0.            40. 1     0.0425066
 41. 1     0.1129199    42. 1     0.0579886     43. 1     0.1344922     44. 1     0.0765266     45. 1     0.1911355
 46. 1     0.0831898    47. 1     0.1270191     48. 1     0.            49. 1     0.1012554     50. 1     0.0597635
 51. 1     0.0787970    52. 1     0.0936832     53. 1     0.1099507     54. 1     0.            55. 1     0.1012794
 56. 1     0.0435670    57. 1     0.            58. 1     0.            59. 1     0.0767294     60. 1     0.
 61. 1     0.2149898    62. 1     0.            63. 1     0.0097347     64. 1     0.            65. 1     0.1312294
 66. 1     0.           67. 1     0.1333456     68. 1     0.            69. 1     0.1434976     70. 1     0.
 71. 1     0.0692328    72. 1     0.0855158      0. 0     0.             0. 0     0.             0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.42594501
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.74215327
   **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.58404915
   **  CONTROL=000000000007
        3 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.58404915

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2     0.2210855     2. 2     0.7321591      0. 0     0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.22109
SUM NO.   2 IS    0.73216

*** 80    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000012      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.48611103
   **  CONTROL=000000000001
        3 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.48611103

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1     0.2253934     2. 1     0.0901064      3. 1     0.0610732      4. 1     0.0735541      5. 1     0.
  6. 1     0.0781354     7. 1     0.             8. 1     0.0981091      9. 1     0.2264937     10. 1     0.0989141
 11. 1     0.0699037    12. 1     0.0849726     13. 1     0.0361446     14. 1     0.0752001     15. 1     0.0494594
 16. 1     0.0803073    17. 1     0.1506328     18. 1     0.0875198     19. 1     0.0217592     20. 1     0.0801420
 21. 1     0.           22. 1     0.            23. 1     0.1050167     24. 1     0.0829563     25. 1     0.0800747
 26. 1     0.1328659    27. 1     0.            28. 1     0.            29. 1     0.0834163     30. 1     0.0 59632
 31. 1     0.0481138    32. 1     0.            33. 1     0.            34. 1     0.0944132     35. 1     0.
 36. 1     0.           37. 1     0.1019301     38. 1     0.            39. 1     0.0030428     40. 1     0.0917161
 41. 1     0.0807045    42. 1     0.0886806     43. 1     0.0818443     44. 1     0.0968594     45. 1     0.0959942
 46. 1     0.0899465    47. 1     0.1087520     48. 1     0.            49. 1     0.0684151     50. 1     0.0573403
 51. 1     0.0600520    52. 1     0.0736888     53. 1     0.0672673     54. 1     0.            55. 1     0.0889145
 56. 1     0.0670627    57. 1     0.            58. 1     0.            59. 1     0.0971555     60. 1     0.
 61. 1     0.1895072    62. 1     0.            63. 1     0.0843028     64. 1     0.            65. 1     0.0854725
 66. 1     0.           67. 1     0.0557328     68. 1     0.0091386     69. 1     0.0772775     70. 1     0.0124397
 71. 1     0.0918211    72. 1     0.0936624      0. 0     0.             0. 0     0.             0. 0     0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.11618145
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.80809073
    **  CONTROL=000000000007
          3 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =      0.80809073

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     0.6118532     2. 2     0.4522841     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.61165
SUM NO.   2 IS     0.45228

*** B1    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.39626865
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.90317564
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.41008262
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.15662913
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.15662913

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1     0.            2. 1     0.5940373     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.4144495     9. 1     0.            10. 1    0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.            15. 1    0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.            20. 1    0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.            25. 1    0.
        26. 1     0.6403726    27. 1     0.           28. 1     0.           29. 1     0.            30. 1    0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.8040109     35. 1    0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.8545938     40. 1    0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.            45. 1    0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.            50. 1    0.9225735
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.            55. 1    0.0181256
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.            60. 1    0.
        61. 1     0.           62. 1     0.           63. 1     0.2539579    64. 1     0.            65. 1    0.0857423
        66. 1     0.           67. 1     0.6253444    68. 1     0.           69. 1     0.            70. 1    0.
        71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.07411356
    **  CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -1.07411356

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2     0.            2. 2     0.9603863     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     0.96039

*** B2    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.02104196
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.06272620
    **  CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.06272620

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1     0.0370208     2. 1     0.0948612     3. 1     0.1008991     4. 1     0.            5. 1     0.2387984
         6. 1     0.7931752     7. 1     0.            8. 1     0.5173703     9. 1     0.            10. 1    0.
        11. 1     0.           12. 1     0.1386222    13. 1     0.           14. 1     0.            15. 1    0.1465889
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.            20. 1    0.1259010
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.            25. 1    0.
        26. 1     0.           27. 1     0.2569368    28. 1     0.           29. 1     0.            30. 1    0.0948165
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.2647223     35. 1    0.4952375
        36. 1     0.0619553    37. 1     0.           38. 1     0.           39. 1     0.1206348     40. 1    0.
        41. 1     0.           42. 1     0.2670001    43. 1     0.           44. 1     0.            45. 1    0.0291503
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.            50. 1    0.1747726
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.            55. 1    0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.            60. 1    0.
        61. 1     0.1504250    62. 1     0.           63. 1     0.           64. 1     0.            65. 1    0.
        66. 1     0.9016675    67. 1     0.           68. 1     0.           69. 1     0.            70. 1    0.
        71. 1     0.           72. 1     0.0056822    0. 0      0.           0. 0      0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.13205881
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.26411764
    **  CONTROL=000000000003
          2 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =     0.26411764

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0000000     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.00000
SUM NO.   2 IS    0.

*** 83    INPUT H6        INDENTIFICATION CORRECT
MINPS=000000000001      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.47922647
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.11203447
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.74484247
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42843847
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.27023648
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.34933747
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.30978698
   **   CONTROL=000000000007
          7 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.30978698

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.2700198     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.7006494    13. 1     0.           14. 1     0.1798816    15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.2752720
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.4167497    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.2283891    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.0957948    44. 1     0.3192556    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.1809643    55. 1     0.7668499
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.7391454    63. 1     0.2216016    64. 1     0.           65. 1     0.5953793
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.73254769
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.11627384
   **   CONTROL=000000000007
          3 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -1.11627384

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0951338     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.09513

*** 84    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30792962
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.59987184
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.89181407
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.18375629
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03778519
   **   CONTROL=000000000007
          5 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.03778519

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.9458931
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     1.0318145    28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.9118694
        36. 1     0.8015527    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.8612176    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **   CONTROL=000000000005
          4 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -2.49999991

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2      1.0037729     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    1.00377
SUM NO.   2 IS    0.

*** 85    INPUT M1        INDENTIFICATION CORRECT
MINPS=000000000013        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39340509
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.17214048
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.95037587
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.56125818
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.36669934
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.46397875
   **   CONTROL=000000000007
          6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.46397875

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
  6. 1      0.            7. 1      0.6967407     8. 1      0.            9. 1      0.           10. 1      0.
 11. 1      0.6987994    12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
 16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.5220948
 21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
 26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.6601955
 31. 1      0.1688933    32. 1      0.2954127    33. 1      0.           34. 1      0.           35. 1      0.
 36. 1      0.           37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
 41. 1      0.           42. 1      0.           43. 1      0.6697076    44. 1      0.           45. 1      0.
 46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.2611322    50. 1      0.
 51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.5043914    55. 1      0.
 56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
 61. 1      0.6042999    62. 1      0.           63. 1      0            64. 1      0.           65. 1      0.
 66. 1      0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
 71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.10321456
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.20642914
   **   CONTROL=000000000003
          2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.20642914

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2      0.            2. 2      1.0000000     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 86    INPUT V1        INDENTIFICATION CORRECT
MINPS=000000000012        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.32393017
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.61540870
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.90688723
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.19836576
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.05262651
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97975688
   **   CONTROL=000000000007
          6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -0.97975688

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
  6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
 11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
 16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.1305377    20. 1      0.
 21. 1      0.           22. 1      0.6568108    23. 1      0.           24. 1      0.           25. 1      0.
 26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.
 31. 1      0.           32. 1      0.6175841    33. 1      0.           34. 1      0.           35. 1      0.
 36. 1      0.3176814    37. 1      0.           38. 1      0.8289690    39. 1      0.           40. 1      0.
 41. 1      0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.
 46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.
 51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
 56. 1      0.           57. 1      0.5926584    58. 1      0.           59. 1      0.           60. 1      0.
 61. 1      0.           62. 1      0.           61. 1      0.374201H    64. 1      1.0302451    65. 1      0.
 66. 1      0.           67. 1      0.           68. 1      0.2567554    69. 1      0.           70. 1      0.
 71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.60765332
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.42992222
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.01878777
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.72435501
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.37157139
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.54796320
   **   CONTROL=000000000007
          6 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =    -2.54796320

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.9274922    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.92749
SUM NO.   2 IS    0.

*** 87    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38478516
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97907306
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.57336096
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.27621701
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42478898
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.35050300
    ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.35050300

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.7533047   17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.2118257   24. 1     0.6316598   25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.4476[illegible]70   30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.6072162   42. 1     0.6429351   43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.7413335   48. 1     0.6098070   49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.2488751    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35198745
    ** CONTROL=000000000001

LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.70397493
    ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -0.70397493

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 88    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39497003
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.74958234
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.10419464
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92688850
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01554157
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.05986810
    ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.05986810

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.6313331
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.0567116   18. 1     0.1123246   19. 1     0.          20. 1     0.
        21. 1     1.0409046   22. 1     0.6411989   23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.7281598   29. 1     0.          30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.3240845   39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.0482034   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.6539315   58. 1     0.1449259   59. 1     0.          60. 1     0.0126000
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.6795847
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    ** CONTROL=000000000005
        4 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -2.49999991

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0835390     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   1.08354
SUM NO.   2 IS   0.

***  89    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007       NCYCS-000000000014       INDICT=00000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49424344
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.02759849
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.56095353
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.29427601
   **  CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.29427601

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.1049192     4. 1     0.6638541     5. 1     0.
  6. 1     0.7235527     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.8623759
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.6691743    19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.1773851    29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.8392694
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.1767067    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.1696813    54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.7209149
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.           0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   151.05831146
   **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    75.77915573
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    38.13957787
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    19.31978893
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     9.90989459
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     5.20494729
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     2.85247368
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.67623687
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.08811846
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.79405926
   **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.94108896
   **  CONTROL=000000000007

LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.01460364
   **  CONTROL=000000000007
      13 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     1.01460364

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.5174136     2. 2     0.4857585     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.51741
SUM NO.   2 IS   0.48576

***  90    INPUT V3        IDENTIFICATION  INCORRECT.

NEW G-WEIGHTS FROM RESULT OF INPUT   90


COMPONENT   1. 1  G-WEIGHTS

 0.49572754    0.51789356    0.50227356    0.49574280    0.49574280
 0.49574280    0.50106812    0.49574280   -0.50091553   -0.50091553
-0.50091553   -0.50091553   -0.49334717   -0.50091553   -0.50091553
-0.50091553    0.48866272    0.48866272    0.48866272    0.51884460
 0.48866272    0.48866272    0.51884460    0.48866272   -0.50749207
-0.50749207   -0.50749207    0.51884460   -0.47732544   -0.47732544
-0.50749207   -0.50749207    0.            0.            0.

COMPONENT   2. 1  G-WEIGHTS

 0.94175720    0.29377747    0.39405823    0.53398132    0.29148865
 0.25927734    0.31477356    0.97084045   -0.73248251   -0.09651184
-0.73298645   -0.68981334   -0.25378418   -0.57659912   -0.58784485
-0.32995605    0.13090515    0.79019165    0.76808167    0.76361084
 0.45777873    0.47003174    0.31576538    0.30358887   -0.40899658
-0.45622253   -0.46661377   -0.48139954    0.            -0.75715637
-0.46661377   -0.48147583    0.            -0.48147583    0.
```

COMPONENT 3. 1 G-WEIGHTS

0.54771423	0.52342224	0.41137695	0.52360535	0.34741211
0.54508972	0.63981628	0.46151733	0.	-0.59771729
-0.42179871	-0.46395874	-0.63740540	-0.87307739	-0.46711731
-0.53878784	0.	0.93627930	0.88073730	0.31192017
0.44883728	0.93890381	0.17320251	0.31008911	-0.34049988
-0.94137573	-0.34049988	-0.39315796	-0.25331116	-0.34049988
-0.39315796	-0.99748230	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.57637024	0.45756531	0.47048950	0.51100159	0.47900391
0.50006104	0.48883057	0.51661692	-0.55284117	-0.26527595
-0.55575562	-0.55654907	-0.60617065	-0.36526489	-0.55548096
-0.54193115	0.56149292	0.57543345	0.58076477	0.34579468
0.31671143	0.53385925	0.54782104	0.53805542	-0.31542969
-0.46594238	-0.46173096	-0.68162537	-0.71069336	-0.45195007
-0.44665527	-0.46594238	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.42193604	0.42021179	0.43431091	0.44500732	0.78868103
0.42021179	0.62593079	0.44367981	-0.49934387	-0.53060913
-0.56488037	-0.40519714	-0.59127808	-0.59147644	-0.51524353
-0.30192566	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.43460083
-0.57424927	0.	-0.66075134	-0.43460083	-0.57424927
-0.66075134	-0.66075134	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.47978210	0.43490601	0.38452148	0.67176819	0.72918701
0.46582031	0.63307678	0.19587708	-0.46739197	-0.70935059
-0.42156982	-0.25367737	-0.55992126	-0.47964478	-0.67872620
-0.42968750	0.62254333	1.00000000	0.19044495	0.46253967
1.00000000	0.19044495	0.07145691	0.46253967	0.
-0.59365845	-0.67727661	-0.35050964	-0.59365845	-0.67727661
-0.97348022	-0.13407898	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

1.00000000	0.74632263	0.61985779	0.30963135	0.31019592
0.41064944	0.30165100	0.30226135	-0.61235046	0.
-0.61502075	-0.61399841	-0.61595154	-0.61624146	-0.31454468
-0.61187744	0.65472412	0.65510559	0.69110107	0.65510559
0.69110107	0.65283203	0.	0.	-0.46145630
-0.51382446	-0.50358582	-0.50149536	-0.50109863	-0.51382446
-0.50358582	-0.50109863	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.41093645	0.38583374	0.50912476	0.41429138	0.42123413
0.62779236	0.80494690	0.42582703	-0.51490784	-0.32489014
-0.59513855	-0.57350159	-0.57239770	-0.28405762	-0.62217712
-0.51289368	0.54763794	0.449020[illegible]	0.56622314	0.78088379
0.54763794	0.56622314	0.333676[illegible]	0.20863342	-0.50231934
-0.60372925	-0.51043701	-0.50231[illegible]	-0.60372925	-0.37855530
-0.38841248	-0.51043701	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.43899536	0.70932007	0.91[illegible]505	0.39962769	0.46961975
0.37744141	0.18667603	0.50[illegible]1414	-0.57423401	-0.14486694
-0.48869324	-0.40940857	-0.57[illegible]7815	-0.63809204	-0.60389709
-0.56629944	0.95422363	0.09[illegible]2058	0.09106445	0.95422363
0.09106445	0.80488586	0.0[illegible]06445	0.92170715	-0.03056335
-0.90827942	-0.52273560	-0.17662048	-0.79350281	-0.52273560
-0.52273560	-0.52273560	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.67359924	0.11657715	1.00000000	0.20068359	1.00000000
0.73780823	0.08830261	0.18299866	-0.55653381	-0.65332031
-0.55560303	-0.59095764	-0.25991821	-0.47494507	-0.31567383
-0.59300232	1.00000000	1.00000000	0.	0.
0.	1.00000000	1.00000000	0.	-0.55556777
-0.93840027	-0.55558777	-0.55123901	0.	-0.29231762
-0.55558777	-0.55123901	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.38771057	0.37635803	0.37492371	0.31814575	0.37443542
0.34545898	1.00000000	0.87293701	-0.56375122	-0.59260559
-0.56875610	-0.57279968	-0.56742859	-0.55647278	0.
-0.57817078	0.60157776	0.60157776	0.57403564	0.60157776
0.60157776	0.52357483	0.49601746	0.	-0.46083069
-0.54441833	-0.57568359	-0.49211121	-0.46083069	-0.46083069
-0.54441833	-0.46083069	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.38549805	0.40046692	0.38102722	0.65147400	1.00000000
0.39743042	0.39703369	0.38703318	0.	-0.21075439
-0.69553611	-0.71188354	-0.71424866	-0.34483337	-0.69110107
-0.63121033	0.	0.	0.75885010	0.52844238
0.66207886	0.75885010	0.62966919	0.66207886	-0.39192200
-0.53636169	-0.64088440	-0.50[illegible]650	-0.39192200	-0.50303650

-0.64080440	-0.39192250	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.38859558	0.43637085	0.45407104	0.57931513	0.56211853
0.56958009	0.45001221	0.55390601	-0.54515276	-0.47946167
-0.44331360	-0.53501692	-0.45216370	-0.46234131	-0.59791565
-0.48460368	0.19276428	0.92651367	0.47387695	0.19276428
0.62094461	0.92651367	0.47387695	0.19276428	-0.27606201
-0.70539856	-0.97598267	-0.55604444	-0.27606201	-0.70539856
-0.25151062	-0.25151062	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.53652956	0.39421082	0.66601563	0.48989069	0.48492652
0.46786699	0.47560120	0.48499206	-0.51896667	-0.54953003
0.55209351	-0.37775830	-0.53839111	-0.45954895	-0.47128296
-0.53289795	0.20597839	0.	0.49282252	0.86395264
0.22431946	0.63311766	0.92411204	0.44954600	-0.71212769
-0.54074097	-0.37185669	-0.37185669	-0.71891785	-0.54074097
-0.37185669	-0.37185669	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.34605408	0.31852722	0.54063416	0.88557434	0.34580994
0.31343073	0.91613770	0.33381653	-0.32502747	-0.52209473
-0.56658936	-0.53437805	-0.50949097	-0.53939329	-0.53102112
-0.47135925	0.	0.48828970	0.62802124	0.86221313
0.75697327	0.67472839	0.49418979	.30106931	-0.45645142
-0.44958496	-0.64090811	-0.49891663	-0.36466980	-0.44958496
-0.64080811	-0.49891663	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

1.00000000	0.42565918	0.44424438	0.53779602	0.24667358
0.35221038	0.51589966	0.47740173	-0.57078552	-0.55479631
0.	-0.53143311	-0.61434462	-0.53437805	-0.60554504
-0.58865356	0.60319519	0.55468750	0.61396790	0.33969013
0.60319519	0.55468750	0.73057556	0.	-0.45838929
-0.67578125	-0.45.38928	-0.40931767	-0.45838929	-0.67578125
-0.40548706	-0.45838928	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.55549622	0.50607300	0.46012878	0.51531982	0.51531982
0.47586223	0.44134521	0.53062439	-0.55155945	-0.47956849
-0.48011740	-0.49577332	-0.56932058	-0.54218445	-0.49604797
-0.48538203	0.04008484	0.47677612	0.04008484	0.74179077
0.96449280	0.96449280	0.04008484	0.73217773	-0.58018494
-0.36347461	-0.00878906	-0.58.19494	-0.37072754	-0.58018494
-0.93624878	-0.58018494	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.43995667	0.39457703	0.52827454	0.53189087	0.54496765
0.53100566	0.52175903	0.50752259	-0.54031372	-0.54110718
-0.36659241	-0.27511597	-0.55857849	-0.54191599	-0.60636902
-0.56997881	0.81124878	0.73428345	0.82493591	0.76486206
0.13998413	0.25386047	0.27207947	0.19871521	-0.77488708
-0.43955994	-0.47946167	-0.18574524	-0.26948547	-0.93179321
-0.43955994	-0.47946167	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.43978882	0.44743347	0.40435791	0.41766357	0.70266724
0.38879395	0.43115234	0.76808167	-0.54304504	-0.48838806
-0.50567627	-0.47689819	-0.49395752	-0.47792053	-0.49925232
-0.51406206	0.22799683	0.86212158	0.86212158	0.39477539
0.53240367	0.69535828	0.19720459	0.22799683	-0.54031372
-0.57112122	-0.21057129	-0.70878601	-0.54031372	-0.21057129
-0.67757852	-0.54031372	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.50004578	0.49389648	0.49836731	0.50225830	0.57630920
0.58000183	0.54397583	0.30511475	-0.52293396	-0.57630920
-0.16200256	-0.52313232	-0.46051025	-0.62092590	-0.56155396
-0.57258606	0.65295410	0.57560730	0.57560730	0.30964661
0.64320374	0.57267761	0.29986572	0.37039185	-0.45602417
-0.44908142	-0.72326660	-0.45602417	-0.45602417	-0.44908142
-0.63107330	-0.37934875	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.28929138	0.84622192	0.29217529	0.41452026	1.00000000
0.50389099	0.34906006	0.30482483	-0.60084534	-0.60084534
-0.55847169	-0.59120178	-0.54579163	0.	-0.54714966
-0.55564880	1.00000000	1.00000000	0.	0.
0.	0.	1.00000000	1.00000000	-0.61642456
-0.69723511	-0.69723511	-0.67544556	0.	0.
-0.61642456	-0.69723511	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.44285583	0.52442932	0.23751831	0.23751831	1.00000000
0.32284546	0.23751831	0.93726868	-0.55541992	-0.56243896
-0.57669067	0.	-0.57669067	-0.57531736	-0.57669067
-0.57659067	0.24758911	0.92738342	0.92738342	0.43597412
0.	0.17292786	0.92738342	0.36132813	-0.77464294
-0.77464294	-0.77464294	-0.12675676	0.	0.
-0.77464294	-0.77464294	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.46112061	0.45562744	0.46664429	0.74282837	0.4[illegible]3535
0.46806335	0.47010803	0.48182678	-0.51[illegible]875	-0.43643188
-0.49041748	-0.43855286	-0.[illegible]996704	-0.51760864	-0.48815918
-0.55711365	0.57701111	0.57701111	0.77603149	0.66552734
0.50146484	0.26957703	0.31194824	0.26138306	-0.55941772
-0.47564697	-0.48387146	-0.48[illegible]146	-0.48387146	-0.48387146
-0.48387146	-0.54553223	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.44789124	0.64675903	0.60646057	0.12187195	0.65429688
0.57199097	0.[illegible]439575	0.47627258	0.	-0.61936951
-0.33049316	-0.58227539	-0.66191101	-0.50549316	-0.51394653
0.73546545	0.	0.79606628	0.42109680	0.38476563
0.79606628	0.79606628	0.42109680	0.38476563	-0.42871094
-0.38127136	-0.38642883	-0.80355835	-0.80355835	-0.42871094
-0.38127136	-0.38642883	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.68489075	0.47874451	0.49287415	0.44958496	0.48052979
0.45523071	0.46844482	0.48966980	-0.55984497	-0.43151855
-0.59001160	-0.53343201	-0.31654358	-0.37908936	-0.57820129
-0.61131287	0.71931458	0.56336975	0.47390747	0.43142700
0.71931458	0.47390747	0.30935669	0.30935669	-0.52189636
-0.47947693	-0.36596680	-0.61141968	-0.65385437	-0.36596680
-0.52189636	-0.47947693	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.49948120	0.49191284	0.46485901	0.49531555	0.60215759
0.43685913	0.48025513	0.52911377	-0.51856995	-0.49922180
-0.44869995	-0.52549744	-0.58001709	-0.52438354	-0.38597107
-0.51760864	0.48768616	0.54397583	0.67094421	0.59472656
0.48768616	0.54397583	0.67094421	0.	-0.51712036
-0.51712036	-0.36857605	-0.46273804	-0.67143250	-0.57725525
-0.51712036	-0.[illegible]857605	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.38916016	0.44635010	0.39015198	0.39189148	0.51237488
1.00000000	0.38957214	0.48045349	-0.47595215	-0.52043152
-0.49929810	-0.49554443	-0.51202393	-0.[illegible]48657	-0.43241882
-0.54681396	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.70671082
-0.61552429	0.	-0.70671082	-0.61552429	-0.70671082
0.	-0.64878845	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.41578674	0.29663085	0.37747192	0.37345886	0.99203491
0.78961182	0.37747192	0.37748718	-0.61764526	-0.53848267
-0.62609863	0.	-0.61488342	-0.62608337	-0.51541138
-0.46134949	0.92578125	0.07431030	0.	0.91696167
0.92578125	0.11880493	0.03834534	1.00000000	-0.30017090
0.	-0.33406067	-0.75791931	-0.33406067	-0.75791931
-0.75791931	-0.75791931	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.56120728	0.37948608	0.40838623	0.38410950	0.43688965
0.44729614	0.95069885	0.41188049	-0.47390747	-0.22798157
-0.63966370	-0.57037354	-0.55256653	-0.56802368	-0.55819702
-0.40925598	0.66691509	0.39080811	0.76058960	0.81285095
0.51789856	0.53674316	0.13093567	0.18322754	-0.53053284
-0.43374634	-0.43374634	-0.40037537	-0.67646790	-0.65760803
-0.43374634	-0.43374634	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.41519165	0.41464233	1.00000000	0.45834351	0.41053772
0.45246887	0.40525818	0.44352722	-0.62062073	-0.55496216
-0.55[illegible]16052	0.	-0.47663989	-0.54821777	-0.61334229
-0.6[illegible]301086	0.	0.	0.76513672	0.46293640
0.52214050	0.76513672	0.74400330	0.74060059	-0.70007374
-0.44120789	-0.44120789	-0.75339941	-0.38584900	-0.44120789
-0.44517517	-0.38584900	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.31187437	0.37968445	0.39979553	0.77078247	0.80944824
0.33309937	0.36659241	0.62866211	-0.67730713	-0.75955200
-0.69534302	-0.27560425	-0.01097107	-0.68418884	-0.46092224
-0.43609042	0.46028137	0.53886413	0.53[illegible]9575	0.84440613
0.79885864	0.30595398	0.03199768	0.48271179	-0.07373047
-0.47001648	-0.39958191	-0.85791[illegible]	-0.64831052	-0.25009155
0.64831052	-0.65078735	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

1.00000000	0.34288025	0.35131726	0.35853154	0.75807190
0.36238038	0.47343445	0.35128784	-0.71623230	-0.44491577
-0.72149658	0.07130432	-0.35942[illegible]78	-0.73298645	-0.22480774
-0.72880554	0.	0.	0.91156006	0.91156006
0.18217468	0.17152405	0.91156006	0.91156006	-0.38600159
-0.76426697	0.	-0.66600037	-0.75143323	-0.66600037
-0.76426697	0.	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49551064	0.49496460	0.50529480	0.51237488	0.50144958
0.49845886	0.49841309	0.49357605	-0.50984192	-0.49949646
-0.49510193	-0.51829529	-0.50646973	-0.44956970	-0.51062012
-0.51107788	0.44557190	0.44557190	0.45069885	0.56948853
0.49880901	0.56948853	0.56948853	0.45069885	-0.51136780
-0.51136780	-0.50627136	-0.50627136	-0.43554688	-0.51136780
-0.50627136	-0.51136780	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.51[illegible]3643	0.42198181	0.48451233	0.5[illegible]216	0.48988342
0.42971802	0.64007568	0.46633911	-0.50997925	-0.52929688
-0.51837158	-0.50889587	-0.40930176	-0.52305603	-0.50767517
-0.49340820	0.75424194	0.61729431	0.53971863	0.39897156
0.70817566	0.49929810	0.48225403	0.	-0.51832581
-0.51251221	-0.51832581	-0.30001931	-0.43652344	-0.51832581
-0.66328430	-0.53263855	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.53018188	0.46260071	0.45811462	0.45001221	0.44248962
0.53637695	0.43200684	0.68818665	-0.36334229	-0.53813171
-0.[illegible]81[illegible]171	-0.42915649	-0.43762207	-0.55015564	-0.55526733
-0.53813171	0.81402588	0.	0.77894592	0.77894[illegible]92
0.	0.81402588	0.	0.81402588	-0.73013306
-0.73013306	-0.73013306	0.	-0.73013306	-0.35981750
-0.35981750	-0.35981750	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.58016968	0.73490906	0.98651123	0.25975037	0.38914490
0.29555947	0.26670837	0.48881641	-0.71807861	-0.42474365
-0.72882080	-0.70625305	-0.74060059	-0.33621216	-0.33122253
-0.01402283	0.95248413	0.30102539	0.	0.84147644
0.9[illegible]248413	0.	0.	0.95248413	-0.18168640
-0.73014832	-0.73014832	-0.06166077	-0.18168640	-0.73014832
-0.73014832	-0.65432739	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.52958679	0.52526855	0.54299927	0.64598083	0.47738647
0.55839539	0.45582581	0.26452637	-0.63302612	-0.68885803
-0.63438416	0.66833496	-0.00048828	-0.29727173	-0.65618896
-0.42141724	0.40368652	0.94186401	0.03392029	0.94186401
0.62051392	0.03392029	0.62051392	0.40368652	-0.49707031
-0.02033997	-0.91471863	-0.56784058	-0.49707031	-0.02033997
-0.91471863	-0.56784058	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.55278015	0.35856628	1.00000000	0.37141418	0.57507374
0.35906482	0.35856628	0.42448825	-0.65809631	-0.01228333
-0.65809631	-0.65585327	-0.65798950	-0.35461426	-0.48492432
-0.51811218	0.61206055	0.86926270	0.	0.
0.61215210	0.86926270	0.16795349	0.86926270	-0.64183044
-0.64190674	-0.05130005	-0.64190674	-0.64190674	-0.09727478
-0.64190674	-0.64190674	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.54678345	0.39625549	0.39968872	0.42077637	0.39526367
0.44691467	1.00000000	0.39416504	-0.52053833	-0.52926636
-0.43849182	-0.45689392	-0.46031189	-0.54322815	-0.50769043
-0.54353333	0.	0.69735718	0.61174011	0.66740417
0.69735718	0.66740417	0.65872192	0.	-0.56822205
-0.46917725	-0.47981262	-0.43977356	-0.52691650	-0.56822205
-0.46795654	-0.47981262	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.42875671	0.73184204	0.42315674	0.43248460	0.46336365
0.50438281	0.56755493	0.42793274	-0.52014160	-0.52873230
-0.53562727	-0.53561401	-0.48292542	-0.33441162	-0.52648926
-0.53661074	0.46380615	0.45675659	0.51794434	0.53898621
0.58447266	0.53898621	0.57046509	0.32853699	-0.48771667
-0.44227600	-0.45690918	-0.45690918	-0.57376099	-0.44227600
-0.56634521	-0.57376099	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48339844	0.51676941	0.48925781	0.48945618	0.62055969
0.39869690	0.48716736	0.51464844	-0.52624512	-0.53872681
-0.52276[illegible]	-0.59747314	-0.54568481	-0.18377686	-0.53276067
-0.55259[illegible]05	0.67517090	0.67517090	0.51043701	0.46838379
0.68077087	0.51605225	0.47398376	0.	-0.41076660
-0.41076660	-0.57821655	-0.41204834	-0.41076660	-0.57821655
-0.57821655	-0.62098694	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.57415771	0.34127808	0.42381287	0.53500366	0.37637329
0.51254272	0.71[illegible]6321	0.52374268	-0.62710571	-0.63003540
-0.63194580	0.	-0.71202[illegible]87	-0.63578796	-0.71308699
0.	0.68176270	0.51014709	0.51014709	0.42587280
0.6[illegible]176270	0.51014709	0.25424194	0.42587280	0.74496460
-0.50233459	-0.50233459	-0.58535267	-0.33015442	-0.50233459
-0.50233459	-0.33015442	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.79598999	0.34082031	0.42169189	0.33108521	1.00000000
0.35768127	0.39538574	0.35729980	-0.53866577	-0.32530212
-0.46321106	-0.50593567	-0.54219055	-0.52970886	-0.58172607
-0.51321411	0.67477417	0.67477417	0.68688965	0.46011353
0.44491577	0.52923584	0.52923584	0.	-0.44204712
-0.44204712	-0.67164612	-0.44645691	-0.44204712	-0.44204712
-0.67164612	-0.44204712	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.47352600	0.46687317	0.51538086	0.72740173	0.42271423
0.45283508	0.47676086	0.46447754	-0.57020569	-0.44783020
-0.57858276	-0.34289551	-0.51754272	-0.51000977	-0.56312561
-0.47477722	0.39511108	0.	0.64309692	0.81434631
0.41641235	0.48930359	0.53521729	0.70648193	-0.14994812
-0.60592651	-0.56002808	-0.38861084	-0.78678694	-0.56002808
-0.56002808	-0.38861084	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.41215515	0.26156616	0.99298096	0.93980408	0.31295776
0.34460449	0.38362122	0.35227966	-0.72143555	-0.63496399
-0.62907410	-0.63311768	-0.62197876	-0.01609802	-0.72270203
-0.02059937	0.02502441	0.04074097	0.74018860	0.74018860
0.47987366	0.77732849	0.73155212	0.46501686	-0.34980774
-0.42312512	-0.74636841	-0.34980774	-0.44152832	-0.44152832
-0.82167053	-0.42411804	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.43945313	0.35754395	0.72024536	0.42707825	0.33428955
0.79244995	0.43649292	0.49240112	-0.60197449	-0.49401855
-0.52493286	-0.46612549	-0.34471130	-0.55534363	-0.53282166
-0.48004150	0.30233765	0.	0.84080505	0.84080505
0.54446411	0.57310486	0.62173462	0.27671814	-0.41894531
-0.41894531	-0.41894531	-0.76768494	-0.41894531	-0.41894531
-0.41894531	-0.71856689	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46263123	0.43959045	0.45840454	0.45245361	1.00000000
0.37252808	0.40708923	0.40727234	-0.54017639	-0.46943665
-0.53167725	-0.53599548	-0.50326538	-0.51704407	-0.52824402
-0.37413025	0.	0.62896729	0.67631531	0.71844482
0.62879944	0.62896729	0.71844482	0.	-0.49098206
-0.64620972	-0.47505188	-0.42745972	-0.47505188	-0.52810669
-0.52961731	-0.42745972	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.44386292	0.57754517	0.36439514	0.58287048	0.66940308
0.45185852	0.49050903	0.41950989	-0.38014221	-0.77037048
-0.25239563	-0.82714844	0.	-0.60716248	-0.75407410
-0.40849141	0.	0.67005920	0.65368652	0.67005920
0.75230408	0.73367310	0.52018738	0.	-0.39236450
-0.47770691	-0.47770691	-0.61863708	-0.45948792	-0.47770691
-0.47770691	-0.61863708	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.50604248	0.49557495	0.50254822	0.40103149	0.53643799
0.53227234	0.53225708	0.49378967	-0.54403687	-0.47999573
-0.45726013	-0.53210449	-0.52944946	-0.55575684	-0.47201538
-0.45933533	0.34597778	0.	0.00872803	0.91476440
0.48754883	0.85816956	0.89219666	0.49258423	-0.41383362
-0.37968445	-0.80972290	-0.78115845	-0.41383362	-0.37968445
-0.37968445	-0.44236755	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.50711060	0.50874329	0.46252441	0.25311279	0.87319946
0.28932190	0.86503601	0.24093628	-0.61566162	-0.57518005
-0.55247498	-0.00935364	-0.52764893	-0.58331299	-0.59236145
-0.54397583	0.06365967	0.68138123	0.68138123	0.60021973
0.77088928	0.62825012	0.57417297	0.	-0.48475647
-0.42758179	-0.66006470	-0.42758179	-0.42758179	-0.42758179
-0.66006470	-0.48475647	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.35963440	0.27047729	0.27047729	0.67056274	0.34764099
0.99696350	0.81372070	0.27047729	-0.72039795	-0.00022888
-0.24882507	-0.66703374	-0.23300171	-0.68659973	-0.72190857
-0.72190857	0.25765991	0.76562500	0.82804871	0.25547791
0.25765991	0.82804871	0.78222656	0.02520752	-0.23475647
-0.68890381	-0.68437195	-0.09956360	-0.23475647	-0.68890381
-0.68437195	-0.68437195	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.30740356	0.43817139	0.88789368	0.32174683	0.39872742
0.39910889	0.81466675	0.43179321	-0.46244812	-0.56770325
-0.46659851	-0.47222900	-0.56681824	-0.52545166	-0.49276733
-0.44549561	0.09814453	0.02983093	0.86660767	0.69070435
0.47624207	0.86660767	0.66114807	0.31066895	-0.38429260
-0.38429260	-0.62919617	-0.60218811	-0.38429260	-0.38429260
-0.62919617	-0.60218811	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.50897217	0.47683606	0.48136902	0.53065491	0.51139832
0.49310303	0.48095703	0.51467896	-0.35006714	-0.50730896
-0.55328369	-0.49555969	-0.54383850	-0.50552368	-0.54925537
-0.49511719	0.53552246	0.53552246	0.05671692	0.49026489
0.25708008	0.59851074	0.69468689	0.83166504	-0.51004028
-0.41372681	-0.41372681	-0.66252136	-0.89576721	-0.41372681
-0.41372681	-0.27670288	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43414307	0.60780334	0.58108521	0.47399902	0.43414307
0.43699646	0.59365845	0.43812561	-0.41363525	-0.53091431
-0.53070068	-0.45193430	-0.49258423	-0.52993774	-0.51855469
-0.53173828	0.	0.78039551	0.80773926	0.72892761
0.66299438	0.59611511	0.42379761	0.	-0.54983521
-0.54983521	-0.53814697	-0.36799622	-0.53814697	-0.42587280
-0.48030090	-0.54983521	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.33551025	0.31738281	0.90599060	0.38720333	0.39613342
0.52343750	0.77944946	0.39478210	-0.49497986	-0.39001465
-0.51211548	-0.56550598	-0.54887390	-0.53343201	-0.55853271
-0.39651489	0.	0.61096191	0.63296509	0.62969971
0.53317261	0.51747131	0.53947449	0.53620911	-0.48442078
-0.48442078	-0.46130371	-0.46475220	-0.56983948	-0.56640625
-0.48442078	-0.48442078	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48019409	0.48101807	0.54159546	0.53909302	0.49267578
0.46917725	0.53909302	0.45718384	-0.45939636	-0.45320129
-0.53092457	-0.53086853	-0.60140991	-0.46096802	-0.46940613
-0.49380493	0.72450256	0.22576404	0.26034546	0.30693054
0.75480652	0.75907898	0.70819092	0.26034546	-0.78979492
-0.37220764	-0.37220764	-0.42308044	-0.87097168	-0.37220764
-0.42308044	-0.37643433	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.30700684	0.30700684	0.30700684	0.50741577	0.53768921
0.64208984	1.00000000	0.39175415	-0.50907898	-0.71478271
-0.71253967	0.	-0.55668640	-0.71478271	-0.11207581
-0.68003845	0.92604065	0.35308838	0.31951904	0.92604065
0.36758423	0.	0.18162537	0.92604065	0.
-0.77409363	-0.77409363	0.	-0.77409363	-0.77409363
-0.77409363	-0.12948608	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.45283508	0.71661377	0.48818970	0.51051331	0.45153809
0.46157837	0.46742249	0.45126343	-0.53446930	-0.53311157
-0.53048706	-0.35742188	-0.53013611	-0.53366089	-0.52622986
-0.45443726	0.83909607	0.24368286	0.86753845	0.29081726
0.38520813	0.29081726	0.24368286	0.83909607	-0.51319885
-0.62629700	-0.53187561	-0.03088379	-0.51319885	-0.62629700
-0.53187561	-0.62679700	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52723694	0.45181274	0.49649048	0.46763611	0.48519897
0.53230286	0.49720764	0.54206848	-0.47677612	-0.47824097
-0.49127197	-0.50292969	-0.53477905	-0.49302673	-0.52616882
-0.47677612	0.54144287	0.45469666	0.63583374	0.54905701
0.32067871	0.40742493	0.54905701	0.54144287	-0.73640442
-0.42114258	-0.42114258	-0.50796509	-0.42114258	-0.64959717
-0.42114258	-0.42114258	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.49017334	0.47138977	0.80606079	0.42208862	0.42346191
0.42231750	0.54568481	0.41879272	-0.12696838	-0.59776306
-0.43882751	-0.59854126	-0.59899902	-0.58815002	-0.45510864
-0.59559631	0.27487183	0.53666687	0.81701660	0.60525513
0.31596375	0.21792603	0.72503662	0.50723267	-0.31861877
-0.64564514	-0.64270020	-0.64564514	-0.64564514	-0.11555481
-0.34346008	-0.64270020	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.40805054	0.38681030	0.45223999	0.42465210
0.45416260	0.41371155	0.46035767	-0.60314941	-0.52526855
-0.57908630	-0.40582275	-0.43630981	-0.52511597	-0.46917725
-0.45603943	0.69444275	0.61833191	0.61833191	0.37805176
0.69444275	0.61833191	0.37805176	0.	-0.48490906
-0.45956421	-0.68005371	-0.48490906	-0.48490906	-0.48490906
-0.43576576	-0.48490906	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.44279480	0.42732239	0.41217041	0.44279480	0.42135620
0.94473267	0.44279480	0.46601868	-0.56283569	-0.15167236
-0.56996155	-0.59764099	-0.34059143	-0.57273865	-0.59877014
-0.60574341	0.59727478	0.52854919	0.54115295	0.60989380
0.59727478	0.59727478	0.52854919	0.	-0.47482300
-0.54632568	-0.53318787	-0.47482300	-0.47482300	-0.47482300
-0.47482300	-0.54632568	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.28030396	0.66612244	1.00000000	0.27101135	0.27911377
0.57829285	0.29954529	0.62557983	-0.58381653	-0.58830261
-0.58293152	-0.23736577	-0.56083679	-0.47789001	-0.40473938
-0.56407166	0.04629517	0.91213389	0.10073853	0.94615173
0.33294678	0.38739014	0.38739014	0.88698660	-0.55807495
-0.50555420	-0.50555420	-0.55807495	-0.55807495	-0.55807495
-0.50555420	-0.25096130	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.45603943	0.42347717	0.40272522	0.40272522	0.80281067
0.41018677	0.48005676	0.62193298	-0.62426758	-0.71160889
-0.71160889	-0.65621948	0.	-0.66372681	-0.63255310
0.	0.79998779	0.	0.79998779	0.79998779
0.	0.	0.	0.79998779	-0.65254211
0.	-0.67372131	0.79998779	0.79998779	0.
-0.67372131	-0.67372131	-0.67372131	-0.65254211	0.
		0.	0.	

COMPONENT 65. 1 G-WEIGHTS

0.28012085	0.59667969	0.32246399	0.97668457	0.32478333
0.25512645	0.31854248	0.42556763	-0.32588196	-0.12576294
-0.53762817	-0.69967651	-0.83143921	-0.26962280	-0.76799011
-0.64195251	0.15060425	0.16177368	0.74386597	0.82897949
0.52436829	0.52641296	0.75706482	0.30691528	-0.47496033
-0.25192261	-0.68659973	-0.47496033	-0.47496033	-0.68659973
-0.47496033	-0.47496033	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	1.00000000	0.65000916	0.15734863	0.21124268
0.47369385	0.25598145	0.25170898	-0.46424866	-0.53825378
-0.51615906	-0.55206299	-0.51319885	-0.57591248	-0.29632568
-0.54379272	0.	0.94776917	0.94776917	0.20889282
0.	0.	0.94776917	0.94776917	-0.73928833
-0.28402710	0.	-0.73928833	-0.73928833	0.
-0.73928833	-0.75881958	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.24960327	0.18167114	0.21694946	0.37622070	1.00000000
0.70993042	0.26557922	1.00000000	-0.51895142	-0.58227539
-0.54035950	-0.51507568	-0.17190552	-0.50320435	-0.60284424
-0.56535339	0.20588684	0.78605652	0.78605652	0.79605652
0.53157043	0.43643188	0.30242920	0.16549683	-0.41755676
-0.41755676	-0.36798096	-0.41755676	-0.41755676	-0.71849060
-0.77305603	-0.47021484	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49923706	0.55229187	0.50288391	0.49093628	0.48864746
0.49101257	0.48907471	0.48631287	-0.48941040	-0.49937439
-0.49449158	-0.51083374	-0.50028992	-0.50572205	-0.48869324
-0.51158142	0.76991272	0.28723145	0.17295837	0.76991272
0.27288818	0.1872[illegible]	0.76991272	0.76991272	-0.69030762
-0.59031677	-0.6759[illegible]37	-0.09336853	-0.59031677	-0.57598877
-0.69030762	-0.09336853	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.33096313	0.98103333	0.30354409	0.27761841	0.99542236
0.31922913	0.41783142	0.37429810	-0.59962463	-0.70294189
-0.67828369	-0.02650452	-0.08575439	-0.63584900	-0.63662720
-0.63439941	0.02580261	0.02580261	0.88520813	0.54859924
0.86520813	0.88520813	0.54548645	0.19865417	-0.42843628
-0.90473938	-0.40600586	-0.26747131	-0.42843628	-0.86895752
-0.26747131	-0.42843628	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.41789246	0.43844604	0.42355347	0.91566467	0.41773987
0.41914368	0.54968262	0.41783147	-0.64819336	-0.55426025
-0.42979431	-0.64155579	-0.64622498	-0.64872742	-0.43119812
0.	0.93344116	0.12405396	0.	0.93344116
0.93344116	0.14215088	0.	0.93344116	0.
-0.31921387	-0.60972595	-0.61532593	-0.61532593	-0.61532593
-0.60972595	-0.61532593	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53617859	0.52996826	0.49674988	0.49891663	0.51118469
0.52203369	0.43058777	0.47434998	-0.45794678	-0.53897095
-0.48536682	0.47328186	-0.54203796	-0.48669434	-0.48826599
-0.52738953	0.61325073	0.29048157	0.28256226	0.30607605
0.65187073	0.62634167	0.63624573	0.59112549	-0.75602722
-0.38819885	-0.43327332	-0.41168213	-0.75602722	-0.38819885
-0.43327332	-0.43327332	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.51147461	0.49482727	0.57307434	0.48672485	0.46121216
0.42286682	0.55561829	0.49418640	-0.2[illegible]194214	-0.57208252
-0.54537778	-0.57669067	-0.52909302	-0.6[illegible]294434	-0.57669067
-0.22456836	0.	0.74029363	0.6[illegible]06433[illegible]	0.34747314
0.39710399	0.64176587	0.53161377	0.5[illegible]161377	-0.04910278
-0.40606689	-0.50556946	-0.86256409	-0.50556946	-0.55702203
-0.55702203	-0.55702209	0.	0.	0.

COMPONENT 1, 2 C-WEIGHTS

[illegible]	[illegible]	0.	0.74261780	0.99519348
.34234619	.82670543	0.99519348	0.99519348	0.51679993
0.26242493	0.62795032	0.96134944	0.55688367	0.99519348
0.35945463	0.99519348	0.99519348	0.99519348	0.02095032
0.04127175	0.02095032	0.15494263	0.50427246	0.02095032
0.31727104	.89723154	0.	0.68845825	0.60974121
0.02095032	0.99519348	0.53335571	0.99519348	0.99519348
0.02095032	0.02328491	0.99519348	0.99519348	0.20613098
0.25607300	0.99519348	0.99519348	0.	0.11923218
0.42955017	0.02095032	0.99519348	0.13145447	0.99519348
0.99519348	0.36857605	0.74972534	0.73233032	0.
0.25094932	0.02095032	0.99519348	0.02095032	0.99519348
0.02095032	0.	0.02095032	0.	-0.56175232
-0.64556885	-0.67327881	-0.70780345	-0.03468323	-0.93557520
-0.56883240	-0.34905554	-0.13999939	-0.81506348	0.
-1.00000000	-0.55487061	-0.73297119	-0.90552917	-0.69101501
-0.77288818	-0.09602356	-0.75897217	-0.85652161	-0.69218445
-0.47601318	-1.00000000	-0.41220093	-0.93957520	-0.02296448
-0.89021331	-0.27453394	-0.70912170	-0.36643942	-0.27201843
-0.12515259	-0.80416650	-0.69924072	-0.48179626	-1.00000000
0.	-0.58226013	-0.52128601	-0.71467590	-0.68225098
-0.66998291	-0.90852356	0.	-0.45550537	-0.35563660
-0.47748230	0.	-0.63645935	-0.06292725	-0.86193848
-0.74434570	-0.29139709	-0.08975220	0.	-0.06292725
-0.06292725	-0.02296448	-0.12515259	-0.87805176	-0.73625183
-0.02296448	0.	0.	0.	0.

COMPONENT 2, 2 C-WEIGHTS

0.50000000	-0.50000000	0.55383301	0.	0.23596191
0.	0.08586121	0.33665466	0.12446594	0.
0.	0.98115540	0.06365367	0.51875305	0.87335205
0.47940083	0.74906921	0.60653667	0.	0.61077576
0.94960327	0.98115540	0.93601490	0.12094116	0.74327087
0.98115540	0.05769348	0.85695411	0.14616394	0.03131104
0.93601490	0.90272522	0.90272522	0.87335205	0.
0.90272522	0.80325317	0.17668152	0.93601990	0.15560913
0.78425598	0.	0.93601990	0.	0.61917114
0.87335205	0.98115540	0.87335205	0.	0.56001282
0	0.67158508	0.	0.	0.81964111
0.	0.59321594	0.90492249	0.08401489	0.87335205
0.61203003	0.98115540	0.06706238	0.90272522	-0.50296021
-1.00000000	1.00000000	-0.70794678	-1.00000000	-0.89471436
-1.00000000	-0.06330872	-0.03841319	-1.00000000	-0.96847534
-0.22253418	-0.01823425	-1.00000000	-0.87474060	-0.14184570
-0.06330872	-0.08478088	-0.27204895	-0.43243408	0.
-0.01823425	-0.06330872	-0.30673218	-0.41525269	-0.01823425
-0.01823425	-0.14184570	-0.18482971	-0.96688843	-0.48381042
-1.00000000	-0.34436035	-0.09841919	-1.00000000	-1.00000000
-0.09841919	-0.21601868	-0.86338806	-1.00000000	-0.87006836
-0.06330872	-0.82626343	-0.20768738	-1.00000000	-0.14184570
-1.00000000	-1.00000000	-0.14184570	-0.01823425	-0.09841919
-1.00000000	-0.09941919	-0.21630066	-1.00000000	-0.47172546
-0.51106262	-0.54446411	-0.42059326	-0.90243530	-0.06330872
0.	0.	0.	0.	0.

MINPS=00000000007 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47978562
** CONTROL=00C000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93249469
** CONTROL=00C000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38520375
** CONTROL=00C000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15884922
** CONTROL=00000L00C007
4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.15884922

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1935137	4. 1	0.6368040	5. 1	0.0094156		
6. 1	0.6088921	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8833633		
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.		
16. 1	0.	17. 1	0.	18. 1	0.5848458	19. 1	0.	20. 1	0.		
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.		
26. 1	0.	27. 1	1.0659422	28. 1	0.2432316	29. 1	0.1177748	30. 1	0.		
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.		
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7335556		
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.		
46. 1	0.2036872	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.		
51. 1	0.	52. 1	0.	53. 1	1.2328181	54. 1	0.	55. 1	0.		
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0730055	60. 1	0.5896718		
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.		
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.		
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.		

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27037428
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.54074860
** CONTROL=00000000004
2 BIAS CHANGES

LEVEL 2 MS = 1.00000000 BIAS = 0.54074860

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 2	0.	0. 2	0.	0. 0	0.		

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.0000

*** [illegible] VERIFICATION CORRECT
MINP [illegible] INDICT [illegible]

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.16133741
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF  ANGE, NEW BIAS =     -0.36840060
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.57546380
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.47193220
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.52369800
   **   CONTROL=000000000007
          5 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.52369800

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.8680294    10. 1      0.3135050
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.0915158    15. 1      0.
        16. 1      0.1995784    17. 1      0.6090199    18. 1      0.           19. 1      0.           20. 1      0.
        21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.4749580    29. 1      0.           30. 1      0.
        31. 1      0.2296643    32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.           37. 1      1.0050599    38. 1      0.           39. 1      0.           40. 1      0.
        41. 1      0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.



        46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.
        51. 1      0.5458750    52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.1714197
        66. 1      0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.4517379
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -3.49999988
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.49999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.99999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.74999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.52499994
   **   CONTROL=000000000005
          7 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -2.62499994

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      1.0246465     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS      1.02465
SUM NO.   2 IS      0.

***  92     INPUT H4          INDENTIFICATION CORRECT
MINPS=000000000005       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.43863365
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.19487108
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.95110852
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS       -1.57298981
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.38393046
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.47846013
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.47846013

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.4863030     4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.6727226
        16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.
        21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.
        31. 1      0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.           37. 1      0.           38. 1      0.0375102    39. 1      0.           40. 1      0.
        41. 1      0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.7089234
        46. 1      0.4107800    47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.
        51. 1      0.6910183    52. 1      0.4877686    53. 1      0.           54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1      0.           67. 1      0.6198457    68. 1      0.           69. 1      0.6536915    70. 1      0.
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.21347459
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.42694919
   **   CONTROL=000000000001
          2 BIAS CHANGES
```

```
        LEVEL   2     MS =      0.01000000     BIAS =    -0.42694919

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.00000

*** 93    INPUT V4          IDENTIFICATION CORRECT
MINPS=000000000004        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06434266
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.75060251
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.40747260
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.23590764
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.32169011
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.27879888
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.30024450
   **  CONTROL=000000000007
      7 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =      0.30024450

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.0804467     2. 1     0.3288205     3. 1     0.1776272     4. 1     0.            5. 1     0.
         6. 1     0.5372126     7. 1     0.            8. 1     0.2404584     9. 1     0.3919607    10. 1     0.0747093
        11. 1     0.            12. 1    0.0306121    13. 1     0.           14. 1     0.1038395    15.       0.1247134
        16. 1     0.1893118    17. 1     0.2474446    18. 1     0.           19. 1     0.           20. 1     0.1225389
        21. 1     0.            22. 1    0.            23. 1     0.           24. 1     0.3095905    25. 1     0.
        26. 1     0.0016826    27. 1     0.            28. 1     0.           29. 1     0.1628509    30. 1     0.0977709
        31. 1     0.0325732    32. 1     0.            33. 1     0.           34. 1     0.1398685    35. 1     0.
        36. 1     0.            37. 1    0.2866946    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.0354951    42. 1     0.2307732    43. 1     0.0931611    44. 1     0.0425996    45. 1     0.0657078
        46. 1     0.0696665    47. 1     0.0083112    48. 1     0.           49. 1     0.0008222    50. 1     0.2218428
        51. 1     0.0584256    52. 1     0.0599973    53. 1     0.           54. 1     0.           55. 1     0.0274103
        56. 1     0.            57. 1    0.            58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.1629534    62. 1     0.            63. 1     0.           64. 1     0.           65. 1     0.0499310
        66. 1     0.0146018    67. 1     0.2078365    68. 1     0.           69. 1     0.1531111    70. 1     0.
        71. 1     0.            72. 1    0.0639325     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.12415634
   **  CONTROL=000000000001
      1 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.12415634

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.4243699     2. 2     0.5756301     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.42437
SUM NO.   2 IS     0.57563

*** 94    INPUT H5          IDENTIFICATION  INCORRECT.
MINPS=000000000004        NCYCS=000000000013        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.19981807
   **  CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22054
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.20407569
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.70620450
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.45726891
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.33280112
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.39503501
   **  CONTROL=000000000007
      8 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =      0.39503501

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.1391104     2. 1     0.0677244     3. 1     0.1412766     4. 1     0.0171253     5. 1     0.
         6. 1     0.1361220     7. 1     0.            8. 1     0.1244223     9. 1     0.2629688    10. 1     0.0971867
        11. 1     0.0964057    12. 1     0.1353625    13. 1     0.0077557    14. 1     0.0619630    15. 1     0.0527193
        16. 1     0.0439740    17. 1     0.2543025    18. 1     0.           19. 1     0.           20. 1     0.0555355
        21. 1     0.            22. 1    0.            23. 1     0.1086841    24. 1     0.0631792    25. 1     0.1142533
        26. 1     0.1498101    27. 1     0.            28. 1     0.           29. 1     0.0363148    30. 1     0.1234895
        31. 1     0.1420812    32. 1     0.            33. 1     0.           34. 1     0.1496740    35. 1     0.
        36. 1     0.            37. 1    0.2501119    38. 1     0.           39. 1     0.           40. 1     0.0649825
        41. 1     0.1606335    42. 1     0.0427229    43. 1     0.1228052    44. 1     0.0860951    45. 1     0.1582001
        46. 1     0.0881430    47. 1     0.1433504    48. 1     0.           49. 1     0.1161346    50. 1     0.0147996
        51. 1     0.0719271    52. 1     0.0848488    53. 1     0.0597442    54. 1     0.           55. 1     0.0968159
        56. 1     0.0888584    57. 1     0.            58. 1    0.           59. 1     0.0964867    60. 1     0.
        61. 1     0.2445776    62. 1     0.            63. 1    0.0718399    64. 1     0.           65. 1     0.1422953
        66. 1     0.            67. 1    0.1308825    68. 1     0.           69. 1     0.1314627    70. 1     0.
        71. 1     0.0757490    72. 1     0.0493881     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.40816344
   **  CONTROL=000000000001
      1 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =     0.40810244

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
       1. 2     0.4401657     2. 2      0.5598343     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.44017
SUM NO.   2 IS    0.55983

*** 95    INPUT HS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000012      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.48611103
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.34722216
   ** CONTROL=000000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.41666660
   ** CONTROL=000000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.45138881
   ** CONTROL=000000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.46874991
   ** CONTROL=000000000005
      7 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.46874991

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
       1. 1     0.2011923     2. 1      0.0843135     3. 1      0.0635667     4. 1      0.0604391     5. 1      0.
       6. 1     0.0953160     7. 1      0.            8. 1      0.0835812     9. 1      0.2310920     10. 1     0.0909111
      11. 1     0.0704978     12. 1     0.0764264     13. 1     0.0409145     14. 1     0.0816877     15. 1     0.0574864
      16. 1     0.0856578     17. 1     0.2246572     18. 1     0.0677554     19. 1     0.            20. 1     0.1077230
      21. 1     0.            22. 1     0.            23. 1     0.1220772     24. 1     0.0941326     25. 1     0.0787044
      26. 1     0.1222551     27. 1     0.            28. 1     0.0052961     29. 1     0.0883544     30. 1     0.0864770
      31. 1     0.0574214     32. 1     0.            33. 1     0.            34. 1     0.0881325     35. 1     0.
      36. 1     0.            37. 1     0.1512810     38. 1     0.            39. 1     0.0560581     40. 1     0.1010002
      41. 1     0.0455258     42. 1     0.0833182     43. 1     0.0833015     44. 1     0.1104691     45. 1     0.1143539
      46. 1     0.1005503     47. 1     0.0987291     48. 1     0.            49. 1     0.0765991     50. 1     0.0699713
      51. 1     0.0584790     52. 1     0.0807169     53. 1     0.0763714     54. 1     0.            55. 1     0.0850931
      56. 1     0.0654463     57. 1     0.            58. 1     0.            59. 1     0.1018770     60. 1     0.
      61. 1     0.1723803     62. 1     0.            63. 1     0.0437780     64. 1     0.            65. 1     0.0556996
      66. 1     0.0202901     67. 1     0.0577280     68. 1     0.            69. 1     0.0855947     70. 1     0.0601569
      71. 1     0.0925631     72. 1     0.1276390     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.70623036
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.60311519
   ** CONTROL=000000000007
      3 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.60311519

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
       1. 2     0.5577533     2. 2      0.3564613     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.55775
SUM NO.   2 IS    0.35646

*** 96    INPUT HS        IDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40166008
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92122816
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.44079623
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.18101220
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.31090420
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.24595821
   ** CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.24595821

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
       1. 1     0.            2. 1      0.6506029     3. 1      0.            4. 1      0.            5. 1      0.
       6. 1     0.            7. 1      0.            8. 1      0.3827311     9. 1      0.            10. 1     0.
      11. 1     0.            12. 1     0.            13. 1     0.            14. 1     0.            15. 1     0.
      16. 1     0.            17. 1     0.            18. 1     0.            19. 1     0.            20. 1     0.
      21. 1     0.            22. 1     0.            23. 1     0.            24. 1     0.            25. 1     0.
      26. 1     0.7524167     27. 1     0.            28. 1     0.            27. 1     0.            30. 1     0.
      31. 1     0.            32. 1     0.            33. 1     0.            34. 1     0.7401356     35. 1     0.
      36. 1     0.            37. 1     0.            38. 1     0.            39. 1     0.8657368     40. 1     0.
      41. 1     0.            42. 1     0.            43. 1     0.            44. 1     0.            45. 1     0.
      46. 1     0.            47. 1     0.            48. 1     0.            49. 1     0.            50. 1     0.9006639
      51. 1     0.            52. 1     0.            53. 1     0.            54. 1     0.            55. 1     0.
      56. 1     0.            57. 1     0.            58. 1     0.            59. 1     0.            61. 1     0.
      61. 1     0.            62. 1     0.            63. 1     0.1333439     64. 1     0.            65. 1     0.
      66. 1     0.            67. 1     0.5583254     68. 1     0.            69. 1     0.            70. 1     0.
      71. 1     0.            72. 1     0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.36383061
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.72764325
   ** CONTROL=000000000003
      6 BIAS CHANGES
```

```
        LEVEL   2     MS =      0.01000000     BIAS =     -0.72766125

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.            2. 2      1.0000000     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.00000

*** 97    INPUT V5          INDENTIFICATION CORRECT
MINPS=000000000002        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.05834565
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.16793536
    **  CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.16793536

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.0441527     3. 1      0.0283040     4. 1      0.            5. 1      0.1867538
         6. 1      1.0718642     7. 1      0.            8. 1      0.7809764     9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.1381516    13. 1      0.           14. 1      0.           15. 1      0.1013272
        16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.1040540
        21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
        26. 1      0.           27. 1      0.2049228    28. 1      0.           29. 1      0.           30. 1      0.0407825
        31. 1      0.           32. 1      0.           33. 1      0.           34. 1      0.3072839    35. 1      0.5365107
        36. 1      0.           37. 1      0.           38. 1      0.           39. 1      0.1266624    40. 1      0.
        41. 1      0.           42. 1      0.3476746    43. 1      0.           44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.2170315
        51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.0800594    62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1      1.0744449    67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.39241348
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.78482698
    **  CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.78482698

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      1.0000000     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     1.00000
SUM NO.   2 IS     0.

*** 98    INPUT H6          INDENTIFICATION CORRECT
MINPS=000000000001        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49468443
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.20190826
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.90913209
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.55552018
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.37871422
    **  CONTROL=000000000007
          5 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.37871422

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.2303453     3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.7303300    13. 1      0.           14. 1      0.1748991    15. 1      0.
        16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.
        21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.2924517
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.
        31. 1      0.4053489    32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.1777240    37. 1      0.0426233    38. 1      0.           39. 1      0.           40. 1      0.
        41. 1      0.           42. 1      0.           43. 1      0.0239963    44. 1      0.3974680    45. 1      0.
        46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.
        51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.1227968    55. 1      0.7082163
        56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.           62. 1      0.6907456    63. 1      0.2239933    64. 1      0.           65. 1      0.7278382
        66. 1      0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.20905681
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.85452840
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.03179260
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -1.03179260
```

```
      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     0.            2. 2     1.0546619     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.05466

*** 99    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30728802
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.59804808
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.88880813
    ** CONTROL=000000000003
        3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.88880813

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     1.0969362
       6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
      11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
      21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
      26. 1     0.           27. 1     1.2339144    28. 1     0.           29. 1     0.           30. 1     0.
      31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     1.0566812
      36. 1     1.0304102    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
      41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
      46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
      51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
      56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
      61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
      66. 1     0.9590965    67. 1     0.           68. 1     0.           69.       0.0108444    70. 1     0.
      71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999988
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    ** CONTROL=000000000005
        5 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.99999991

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     1.0080184    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.

SUM NO.   1 IS    1.00802
SUM NO.   2 IS    0.

*** 100    INPUT H1        INDENTIFICATION CORRECT
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40295397
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.16840430
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.93385462
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.55112946
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.35976689
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.45544817
    ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.45544817

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
       6. 1     0.            7.       0.7256120     8. 1     0.            9. 1     0.           10. 1     0.
      11. 1     0.7308360    12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.5319487
      21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
      26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.6629287
      31. 1     0.1764062    32. 1     0.3952163    33. 1     0.           34. 1     0.           35. 1     0.
      36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
      41. 1     0.           42. 1     0.           43. 1     0.6916780    44. 1     0.           45. 1     0.
      46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.3150984    50. 1     0.
      51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.5225646    55. 1     0.
      56. 1     0.           57. 1     0.           56. 1     0.           59. 1     0.           60. 1     0.
      61. 1     0.6235599    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
      66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
      71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.08072856
    ** CONTROL=000000000001
        1 BIAS CHANGES
```

```
LEVEL   2    MS =      [illegible]    BIAS =    [illegible]

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     [illegible]    2. 2     [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
SUM NO.   1 IS    [illegible]
SUM NO.   2 IS    1.05073

*** 101    INPUT #1        INDENTIFICATION CORRECT
MINPS=[illegible]      NCYCS=[illegible]      INDICT=[illegible]


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.33127946
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.85789529
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.98634212
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.31094495
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.14767254
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06603134
   **  CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.06603134

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.1461605    20. 1     0.
 21. 1     0.           22. 1     0.6327525    23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.7245397    33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.2586972    37. 1     0.           38. 1     0.9042704    39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.5113682    58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.3000828    64. 1     0.9575094    65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.3802835    69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **  CONTROL=000000000001
      4 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -2.49999991

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0197772    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.01978
SUM NO.   2 IS    0.

*** 102    INPUT #2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38677062
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.71903421
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.65129779
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.33516601
   **  CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.33516601

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.7792031    17. 1     0.           18. 1     0.           19. 1     0.0089926    20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.3270625    24. 1     0.6474187    25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.5500931    30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.6316224    42. 1     0.6698591    43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.7655716    48. 1     0.6101486    49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.0153873    58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.3506950    0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37929477
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.75858957
   **  CONTROL=000000000003
      2 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -0.75858957

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 2     0.          2. 2     1.0000000    0. 0     0.          0. 0     0.          0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 103    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39721607
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.76514055
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.13306503
   **   CONTROL=000000000003
        3 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.13306503

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1     0.          2. 1     0.          3. 1     0.          4. 1     0.          5. 1     0.
  6. 1     0.          7. 1     0.          8. 1     0.          9. 1     0.         10. 1     0.576953
 11. 1     0.         12. 1     0.         13. 1     0.         14. 1     0.         15. 1     0.
 16. 1     0.         17. 1     0.         18. 1     0.1102393  19. 1     0.         20. 1     0.
 21. 1     0.9934687  22. 1     0.5619129  23. 1     0.         24. 1     0.         25. 1     0.
 26. 1     0.         27. 1     0.         28. 1     0.6670545  29. 1     0.         30. 1     0.
 31. 1     0.         32. 1     0.         33. 1     0.         34. 1     0.         35. 1     0.
 36. 1     0.         37. 1     0.         38. 1     0.2325191  39. 1     0.         40. 1     0.
 41. 1     0.         42. 1     0.         43. 1     0.         44. 1     0.         45. 1     0.
 46. 1     0.         47. 1     0.         48. 1     0.         49. 1     0.         50. 1     0.
 51. 1     0.         52. 1     0.         53. 1     0.         54. 1     0.         55. 1     0.
 56. 1     0.         57. 1     0.6393504  58. 1     0.1557350  59. 1     0.         60. 1     0.
 61. 1     0.         62. 1     0.         63. 1     0.         64. 1     0.         65. 1     0.
 66. 1     0.         67. 1     0.         68. 1     0.         69. 1     0.         70. 1     0.5694541
 71. 1     0.         72. 1     0.          0. 0     0.          0. 0     0.          0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.97663745
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.73831871
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.11915934
   **   CONTROL=000000000007
        5 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -2.11915934

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 2     1.0932064   2. 2     0.          0. 0     0.          0. 0     0.          0. 0     0.
SUM NO.   1 IS    1.09321
SUM NO.   2 IS    0.

*** 104    INPUT H3        INCIDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49458429
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.99314075
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.48769721
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.23941898
   **   CONTROL=000000000007
        4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.23941898

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1     0.          2. 1     0.          3. 1     0.1723354   4. 1     0.6880642   5. 1     0.
  6. 1     0.6433650   7. 1     0.          8. 1     0.          9. 1     0.         10. 1     0.9009876
 11. 1     0.         12. 1     0.         13. 1     0.         14. 1     0.         15. 1     0.
 16. 1     0.         17. 1     0.         18. 1     0.6774455  19. 1     0.         20. 1     0.
 21. 1     0.         22. 1     0.         23. 1     0.         24. 1     0.         25. 1     0.
 26. 1     0.         27. 1     0.         28. 1     0.2201309  29. 1     0.0494712  30. 1     0.
 31. 1     0.         32.       0.         33. 1     0.         34. 1     0.         35. 1     0.
 36. 1     0.         37. 1     0.         38. 1     0.         39. 1     0.         40. 1     0.8240894
 41. 1     0.         42. 1     0.         43. 1     0.         44. 1     0.         45. 1     0.
 46. 1     0.1720384  47. 1     0.         48. 1     0.         49. 1     0.         50. 1     0.
 51. 1     0.         52. 1     0.         53. 1     0.2465220  54. 1     0.         55. 1     0.
 56. 1     0.         57. 1     0.         58. 1     0.         59. 1     0.0291603  60. 1     0.6877206
 61. 1     0.         62. 1     0.         63. 1     0.         64. 1     0.         65. 1     0.
 66. 1     0.         67. 1     0.         68. 1     0.         69. 1     0.         70. 1     0.
 71. 1     0.         72. 1     0.          0. 0     0.          0. 0     0.          0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.25995070
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.51990162
   **   CONTROL=000000000003
        2 BIAS CHANGES
```

```
        LEVEL   2     MS =      0.01000000     BIAS =      0.51990142

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.0075090     2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.00751
SUM NO.   2 IS     1.00000

*** 105     INPUT V3          INDENTIFICATION CORRECT
MINPS=000000000006        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.17862022
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.39880720
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.61917418
    **  CONTROL=000000000003
        3 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.61917418

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.7858030    10. 1     0.2562613
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.0009135    15. 1     0.
        16. 1     0.1050509    17. 1     0.5787740    18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.4715670    29. 1     0.           30. 1     0.
        31. 1     0.2431179    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     1.0212440    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50.       0.
        51. 1     0.5421486    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.0332340
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.4802989
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -24.17943358
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -12.83971679
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -7.16985840
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -4.33492917
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.91746458
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.20873231
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.56309843
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.38591537
    **  CONTROL=000000000007
        10 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -2.38591537

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0718538     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     1.07185
SUM NO.   2 IS     0.

*** 106     INPUT H4          INDENTIFICATION CORRECT
MINPS=000000000005        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.43980776
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.21755655
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.99530534
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.60643095
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.41199376
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.50921234
    **  CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.50921234

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.4518746     4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.7005747
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.0093905    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.7001839
        46. 1     0.4233692    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.6926285    52. 1     0.5624847    53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.6230596    68. 1     0.           69. 1     0.6785990    70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.41350174
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.82700349
    **  CONTROL=000000000003
        2 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -0.82700349

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 107    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06084843
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.62742871
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.34413858
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20249352
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.27331604
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.23790479
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.25561041
    **  CONTROL=000000000007
        7 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =     0.25561041

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.0323965     2. 1     0.2894084     3. 1     0.1287593     4. 1     0.0171790     5. 1     0.
         6. 1     0.6047751     7. 1     0.            8. 1     0.3215160     9. 1     0.3403427    10. 1     0.1268314
        11. 1     0.            12. 1     0.           13. 1     0.           14. 1     0.0392659    15. 1     0.0752094
        16. 1     0.1426475    17. 1     0.2728716    18. 1     0.0178048    19. 1     0.           20. 1     0.1372104
        21. 1     0.            22. 1     0.           23. 1     0.           24. 1     0.3021051    25. 1     0.
        26. 1     0.            27. 1     0.           28. 1     0.           29. 1     0.1834377    30. 1     0.0484573
        31. 1     0.            32. 1     0.           33. 1     0.           34. 1     0.0937632    35. 1     0.
        36. 1     0.            37. 1     0.2781652    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.            42. 1     0.2334838    43. 1     0.0275163    44. 1     0.0797065    45. 1     0.0331990
        46. 1     0.0872962    47. 1     0.            48. 1     0.           49. 1     0.           50. 1     0.2630053
        51. 1     0.0221812    52. 1     0.0105140    53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.            57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.1105037    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.1471853    67. 1     0.1396347    68. 1     0.           69. 1     0.1349074    70. 1     0.0408908
        71. 1     0.            72. 1     0.1219665     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.18256199
    **  CONTROL=000000000001
        1 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.18256199

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.9037481     2. 2     0.0962519     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.90375
SUM NO.   2 IS    0.09625

*** 108    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40929663
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.96841955
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.52754247
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.24798101
    **  CONTROL=000000000007
        4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.24798101

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.8659768     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.5265630     9. 1     0.           10. 1     0.
        11. 1     0            12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.7518128    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.7518052    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.8711916    40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.9195444
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.2028607    64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.5962655    68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41416685
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.82833374
    **  CONTROL=000000000003
        2 BIAS CHANGES
```

```
        LEVEL   2     MS =      0.01000000     BIAS =     -0.82833374

       COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT
         1. 2      0.              2. 2      1.0000000       0. 0      0.              0. 0      0.              0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.00000

*** 109     INPUT V5          INDENTIFICATION CORRECT
MINPS=000000000002        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.11361305
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.30989926
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.50618546
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.40804236
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.40804236

       COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT
         1. 1      0.              2. 1      0.              3. 1      0.              4. 1      0.              5. 1      0.
         6. 1      1.4646219       7. 1      0.              8. 1      1.0842087       9. 1      0.             10. 1      0.
        11. 1      0.             12. 1      0.             13. 1      0.             14. 1      0.             15. 1      0.
        16. 1      0.             17. 1      0.             18. 1      0.             19. 1      0.             20. 1      0.
        21. 1      0.             22. 1      0.             23. 1      0.             24. 1      0.             25. 1      0.
        26. 1      0.             27. 1      0.             28. 1      0.             29. 1      0.             30. 1      0.
        31. 1      0.             32. 1      0.             33. 1      0.             34. 1      0.2278206      35. 1      0.3482678
        36. 1      0.             37. 1      0.             38. 1      0.             39. 1      0.             40. 1      0.
        41. 1      0.             42. 1      0.4078009      43. 1      0.             44. 1      0.             45. 1      0.
        46. 1      0.             47. 1      0.             48. 1      0.             49. 1      0.             50. 1      0.2736873
        51. 1      0.             52. 1      0.             53. 1      0.             54. 1      0.             55. 1      0.
        56. 1      0.             57. 1      0.             58. 1      0.             59. 1      0.             60. 1      0.
        61. 1      0.             62. 1      0.             63. 1      0.             64. 1      0.             65. 1      0.
        66. 1      1.1223386      67. 1      0.             68. 1      0.             69. 1      0.             70. 1      0.
        71. 1      0.             72. 1      0.              0. 0      0.              0. 0      0.              0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.00281230
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.75140613
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -1.75140613

       COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT
         1. 2      1.0831748       2. 2      0.              0. 0      0.              0. 0      0.              0. 0      0.
SUM NO.   1 IS     1.08317
SUM NO.   2 IS     0.

*** 110     INPUT H6          INDENTIFICATION CORRECT
MINPS=000000000001        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.51094319
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.26543292
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -2.01992264
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.64257780
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.45405537
   **   CONTROL=000000000007
          5 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.45405537

       COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT
         1. 1      0.              2. 1      0.1825356       3. 1      0.              4. 1      0.              5. 1      0.
         6. 1      0.              7. 1      0.              8. 1      0.              9. 1      0.             10. 1      0.
        11. 1      0.             12. 1      0.6696763      13. 1      0.             14. 1      0.2055445      15. 1      0.
        16. 1      0.             17. 1      0.             18. 1      0.             19. 1      0.             20. 1      0.
        21. 1      0.             22. 1      0.             23. 1      0.             24. 1      0.             25. 1      0.3059928
        26. 1      0.             27. 1      0.             28. 1      0.             29. 1      0.             30. 1      0.
        31. 1      0.3803685      32. 1      0.             33. 1      0.             34. 1      0.             35. 1      0.
        36. 1      0.1270818      37. 1      0.2375627      38. 1      0.             39. 1      0.             40. 1      0.
        41. 1      0.             42. 1      0.             43. 1      0.             44. 1      0.4739079      45. 1      0.
        46. 1      0.             47. 1      0.             48. 1      0.             49. 1      0.             50. 1      0.
        51. 1      0.             52. 1      0.             53. 1      0.             54. 1      0.0367619      55. 1      0.6572013
        56. 1      0.             57. 1      0.             58. 1      0.             59. 1      0.             60. 1      0.
        61. 1      0.             62. 1      0.6196184      63. 1      0.2093509      64. 1      0.             65. 1      0.8312509
        66. 1      0.             67. 1      0.             68. 1      0.             69. 1      0.             70. 1      0.
        71. 1      0.             72. 1      0.              0. 0      0.              0. 0      0.              0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.32135738
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.64271480
   **   CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.64271480

       COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT          COMP.     OUTPUT
         1. 2      0.              2. 2      1.0000000       0. 0      0.              0. 0      0.              0. 0      0.
SUM NO.   1 IS     0.
```

```
SUM NO.   2 IS     .00000

••• 111    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.28044811
   ••  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.58275731
   ••  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.88506651
   ••  CONTROL=000000000003
       5 BIAS CHANGES

       LEVEL   1     MS =     0.20000000     BIAS =     -0.88506651

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     1.1147087
       6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
      11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
      21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
      26. 1     0.           27. 1     1.3360568    28. 1     0.           29. 1     0.           30. 1     0.
      31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     1.0794791
      36. 1     1.1066004    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
      41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
      46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
      51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
      56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
      61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
      66. 1     0.8598056    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
      71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
   ••  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.49999996
   ••  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -3.49999988
   ••  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.49999991
   ••  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.99999991
   ••  CONTROL=000000000005
       5 BIAS CHANGES

       LEVEL   2     MS =     0.01000000     BIAS =     -2.99999991

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     0.9558736     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.95587
SUM NO.   2 IS     0.

••• 112    INPUT H1        INDENTIFICATION CORRECT
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.41083652
   ••  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.19310625
   ••  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.97537598
   ••  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.5.424112
   ••  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.38867369
   ••  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.48645741
   ••  CONTROL=000000000007
       6 BIAS CHANGES

       LEVEL   1     MS =     0.20000000     BIAS =     -1.48645741

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
       6. 1     0.            7. 1     0.7119295     8. 1     0.            9. 1     0.           10. 1     0.
      11. 1     0.7164168    12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.5082116
      21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
      26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.07457
      31. 1     0.1818682    32. 1     0.4370293    33. 1     0.           34. 1     0.           35. 1     0.
      36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
      41. 1     0.           42. 1     0.           43. 1     0.6773839    44. 1     0.           45. 1     0.
      46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.3510808    50. 1     0.
      51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.5066143    55. 1     0.
      56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
      61. 1     0.6146519    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
      66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
      71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.18701920
   ••  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.37403841
   ••  CONTROL=000000000003
       2 BIAS CHANGES
```

```
        LEVEL   2     MS =     0.01000000     BIAS =    -0.37403841

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 113    INPUT V1        INDENTIFICATION CORRECT
MINPS=000000000012      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31890905
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.69522704
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.07154503
    **  CONTROL=000000000003
        3 BIAS CHANGES

        LEVEL   1     MS =     0.20000000     BIAS =    -1.07154503

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.2854204    20. 1     0.



        21. 1     0.           22. 1     0.6850486    23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.7796127    33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.2547902    37. 1     0.           38. 1     0.8583176    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0            47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.5040992    58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.2894417    64. 1     0.9771125    65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.6370880    69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    **  CONTROL=000000000005
        5 BIAS CHANGES

        LEVEL   2     MS =     0.01000000     BIAS =    -2.99999991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0327549     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.03275
SUM NO.   2 IS    0.

*** 114    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39506543
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06943373
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.74380204
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.40661789
    **  CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1     MS =     0.20000000     BIAS =    -1.40661789

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.7027327    17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.3842217    24. 1     0.5499517    25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.6364975    30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.5874976    42. 1     0.5869863    43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.7105873    48. 1     0.5447287    49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.4099844     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.44566250
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.89132501
    **  CONTROL=000000000003
        2 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =    -0.89132501

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 115    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37533773
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.73477395
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.09421016
    **  CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.09421016

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
        6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.4538512
       11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
       16. 1     0.           17. 1     0.           18. 1     0.1408403    19. 1     0.           20. 1     0.
       21. 1     1.0516626    22. 1     0.5776545    23. 1     0.           24. 1     0.           25. 1     0.
       26. 1     0.           27. 1     0.           28. 1     0.7204798    29. 1     0.           30. 1     0.
       31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
       36. 1     0.           37. 1     0.           38. 1     0.2444111    39. 1     0.           40. 1     0.
       41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
       46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
       51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
       56. 1     0.           57. 1     0.7362937    58. 1     0.2803550    59. 1     0.           60. 1     0.
       61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
       66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.5692769
       71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -10.53318477
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -6.01659238
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.75829616
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.62914807
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.06457400
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.34686103
    **  CONTROL=000000000007
          8 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.34686103

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     1.0534697    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.05347
SUM NO.   2 IS    0.

*** 116    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49984999
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01342389
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.52699779
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.27021085
    **  CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.27021085

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.            3. 1     0.1534753    4. 1     0.7214759    5. 1     0.
        6. 1     0.5080166     7. 1     0.            8. 1     0.           9. 1     0.           10. 1     0.9049462
       11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
       16. 1     0.           17. 1     0.           18. 1     0.7327606    19. 1     0.           20. 1     0.
       21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
       26. 1     0.           27. 1     0.           28. 1     0.2015047    29. 1     0.0297067    30. 1     0.
       31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
       36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.6796289
       41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
       46. 1     0.1434868    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
       51. 1     0.           52. 1     0.           53. 1     0.3191281    54. 1     0.           55. 1     0.
       56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.0128628    60. 1     0.7672876
       61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
       66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
       71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.18544753
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.37080507
    **  CONTROL=000000000003
          2 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =     0.37089507

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
 SUM NO.   1 IS    0.
 SUM NO.   2 IS    1.00000

*** 117    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.[illegible]7853326
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.44513659
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.68173392
   ** CONTROL=000000000003
      3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.68173392

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.9022186    10. 1     0.2647499
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.0584956    17. 1     0.7169465    18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.4687509    29. 1     0.           30. 1     0.
        31. 1     0.2746229    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     1.1058497    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.5749857    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.5635890
        71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW   AS =    -2.74999991
   ** CONTROL=000000000005
      6 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.74999991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.9761588    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
 SUM NO.   1 IS    0.97614
 SUM NO.   2 IS    0.

*** 118    INPUT H4        INDENTIFICATION CORRECT
MINPS=000000000005      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.44130120
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25400855
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.06671590
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.66036223
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.45718540
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.55877382
   ** CONTROL=000000000007
      6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.55877382

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.3947784    4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.           9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.6363307
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.66959C7
        46. 1     0.4181846    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.2498571    52. 1     0.5809921    53. 1     0.           56. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.5706672    68. 1     0.           69. 1     0.6533369    70. 1     0.
        71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42505103
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.96252552
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.19378828
   ** CONTROL=000000000007
      4 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =    -1.19378828

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.           2. 2    0.9553471    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   0.95535

*** 119    INPUT V4        IDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDIST=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.01658085
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.05689910
    **  CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =     0.05689910

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1    0.           2. 1    0.5256546    3. 1    0.1324367    4. 1    0.           5. 1    0.
         6. 1    0.2098386    7. 1    0.           8. 1    0.4848398    9. 1    0.1805442   10. 1    0.0591679
        11. 1    0.          12. 1    0.          13. 1    0.          14. 1    0.          15. 1    0.0117519
        16. 1    0.1293811   17. 1    0.1364228   18. 1    0.          19. 1    0.          20. 1    0.1350383
        21. 1    0.          22. 1    0.          23. 1    0.          24. 1    0.4872193   25. 1    0.
        26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.2729050   30. 1    0.
        31. 1    0.          32. 1    0.          33. 1    0.          34. 1    0.0513097   35. 1    0.

        36. 1    0.          37. 1    0.1667370   38. 1    0.          39. 1    0.          40. 1    0.
        41. 1    0.          42. 1    0.3871509   43. 1    0.          44. 1    0.          45. 1    0.
        46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.          50. 1    0.4869135
        51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.          55. 1    0.
        56. 1    0.          57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
        61. 1    0.0296254   62. 1    0.          63. 1    0.          64. 1    0.          65. 1    0.
        66. 1    0.1371808   67. 1    0.1381329   68. 1    0.          69. 1    0.1174701   70. 1    0.
        71. 1    0.          72. 1    0.1266708    0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.53290822
    **  CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -0.53290822

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.4372158    2. 2    0.5627842    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS   0.43722
SUM NO.   2 IS   0.56278

*** 120    INPUT H5        IDENTIFICATION  INCORRECT.


 NEW G-WEIGHTS FROM RESULT OF INPUT  120


        COMPONENT   1. 1  G-WEIGHTS

            0.49571228          0.51788330          0.50225830          0.49572754          0.49572754
            0.49572754          0.50105286          0.49572754         -0.50091553         -0.50091553
           -0.50091553         -0.50091553         -0.49334717         -0.50091553         -0.50091553
           -0.50091553          0.48864746          0.48864746          0.48864746          0.51882935
            0.48864746          0.48864746          0.51882935          0.51882935         -0.50749207
           -0.50749207         -0.50749207         -0.50749207         -0.47732544         -0.47732544
           -0.50749207         -0.50749207          0.                  0.                  0.

        COMPONENT   2. 1  G-WEIGHTS

            1.00000000          0.22088623          0.40966797          0.73013306          0.24575806
            0.21130[illegible]  0.29092407          0.89128113         -0.80270386         -0.06205750
           -0.80961121         -0.76400757         -0.21075914         -0.65811157         -0.66307068
           -0.03465271          0.14149475          0.86616516          0.86616516          0.86616516
            0.47074190          0.49785089          0.15686035          0.13949585         -0.50932312
           -0.42124339         -0.44183350         -0.44947815         -0.44950867         -0.83721924
           -0.44183350         -0.44950867          0.                  0.                  0.

        COMPONENT   3. 1  G-WEIGHTS

            0.52653503          0.50601196          0.38049316          0.49165344          0.26461792
            0.52377319          0.87609863          0.43077087          0.                 -0.62806702
           -0.26202393         -0.48365784         -0.65862002         -0.91427612         -0.49246216
           -0.56144714          0.                  0.82327271          0.82327271          0.49002075
            0.56852722          0.73326111          0.24157715          0.32003[illegible]  -0.40585327
           -0.78250122         -0.40585327         -0.43339539          0.35058594         -0.40585327
           -0.43339539         -0.78250122          0.                  0.                  0.

        COMPONENT   4. 1  G-WEIGHTS

            0.60900879          0.44898987          0.46209717          0.50799561          0.47383118
            0.49540710          0.48818970          0.51441956         -0.61752319          0.
           -0.62717712         -0.61865235         -0.67056274         -0.24250793         -0.62008667
           -0.60844421          0.52166746          0.52772522          0.53004456          0.44813538
            0.43550110          0.50967407          0.51573181          0.51147481          0.
           -0.55180359         -0.55003357         -0.62222290         -0.63432312         -0.54597473
           -0.54377747         -0.55180359          0.                  0.                  0.
```

COMPONENT 5. 1 G-WEIGHTS

0.42158508	0.41986084	0.43397522	0.44589233	0.78907776
0.41986084	0.62599182	0.44374034	-0.49853516	-0.52478027
-0.56719971	-0.40719604	-0.59365845	-0.59385681	-0.51745605
-0.29728699	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.46331787
-0.58782959	0.	-0.63255310	-0.46331787	-0.58782959
-0.63255310	-0.63255310	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.44297791	0.36573792	0.09205627	0.80244446	1.00000000
0.40507507	0.89167786	0.	-0.43646240	-0.70378113
-0.41827393	0.	-0.56475830	-0.50044250	-0.86408887
-0.51016235	0.21752930	0.96977234	0.27615356	0.50720215
0.96977234	0.27615356	0.27615356	0.50720215	0.
-0.54803467	-0.54803467	-0.48420715	-0.54803467	-0.54803467
-0.90765381	-0.41598511	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

1.00000000	0.89056519	0.91648755	0.22515869	0.22578430
0.3671570	0.21629333	0.21696472	-0.64132690	0.
-0.64367676	-0.64277149	-0.64451599	-0.64476013	-0.14201355
-0.64089966	0.66024780	0.66044617	0.67980957	0.66044617
0.67980957	0.55922546	0.	0.	-0.47686768
-0.50828552	-0.50213623	-0.50090027	-0.50065613	-0.50828532
-0.50213623	-0.50065613	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.34574890	0.32162475	0.48345947	0.35739136	0.36853027
0.77920532	0.95365906	0.39031982	-0.57960510	-0.19537354
-0.67379761	-0.62159729	-0.62457275	-0.10760010	-0.67012024
-0.53227234	0.33715820	0.06175237	0.73648071	0.99826050
0.33715820	0.73648071	0.69442749	0.09815979	-0.47705078
-0.74891663	-0.48092651	-0.47705078	-0.74891663	-0.16360474
-0.42251507	-0.48092651	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.43978882	0.87698694	0.99662781	0.36431885	0.44274902
0.33921914	0.06799316	0.47828674	-0.59761047	0.
-0.50094604	-0.42443848	-0.59928894	-0.67111206	-0.62251282
-0.58406067	1.00000000	0.	0.02436829	1.00000000
0.02436829	0.92687988	0.02436829	1.00000000	0.
-0.78228760	-0.59594727	-0.07266735	-0.76121521	-0.59594727
-0.59594727	-0.59594727	0.	0.	0

COMPONENT 10. 1 G-WEIGHTS

0.99859619	0.00216675	0.99859619	0.00216675	0.99859619
0.99859619	0.00123596	0.	-0.65010071	-0.73164368
-0.64889526	-0.67672729	-0.00285339	-0.58001709	-0.02865601
-0.68107605	0.63291931	0.77093506	0.43873596	0.15734863
0.15734863	0.63291931	0.77093506	0.43873596	-0.60099792
-0.6 246562	-0.60099792	-0.60002136	-0.06417847	-0.28021240
-0.60099792	-0.60002136	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.35932922	0.35208130	0.35208130	0.28153992	0.34487915
0.31005859	1.00000000	1.00000000	-0.56451416	-0.59336853
-0.56884766	-0.57234192	-0.56585693	-0.55780029	0.
-0.57723939	0.58918762	0.58918762	0.57482910	0.58918762
0.58918762	0.54136658	0.52700806	0.	-0.47541809
-0.52938843	-0.54672241	-0.49276733	-0.47541809	-0.47541809
-0.52938843	-0.47541809	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.35937500	0.38323975	0.35643005	0.78672791	1.00000000
0.37928772	0.37878418	0.35612488	0.	0.
-0.75885010	-0.77217102	-0.76797485	-0.28077698	-0.74375916
-0.67645264	0.	0.	0.72474670	0.55967712
0.67456055	0.72474670	0.64169312	0.67456055	-0.40179443
-0.53604126	-0.62973022	-0.49952698	-0.40179443	-0.49952698
-0.62973022	-0.40179443	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.38848877	0.43605042	0.45640564	0.57922363	0.56159973
0.56901550	0.44990540	0.55978040	-0.54269409	-0.47941589
-0.44476318	-0.53431702	-0.45362854	-0.46156311	-0.59751892
-0.48605347	0.20079041	0.91352844	0.48066711	0.20079041
0.60920715	0.91352844	0.46066711	0.20079041	-0.28372192
-0.69335938	-0.96275330	-0.56446838	-0.28372192	-0.69335938
-0.25927734	-0.25927734	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.53689575	0.37059021	0.73056030	0.46780396	0.46293640
0.51225281	0.45376587	0.46514893	-0.52507019	-0.55075073
-0.55278015	-0.36555481	-0.53889465	-0.46162415	-0.47309875
-0.53219604	0.11167908	0.	0.70118713	0.84257507
0.26980591	0.64491272	0.92431641	0.50549316	-0.54806519
-0.55810547	-0.40966797	-0.40966797	-0.69699097	-0.55810547
-0.40966797	-0.40966797	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.30001831	0.26354980	0.59616418	1.00000000	0.30439758
0.25195313	1.00000000	0.28941345	-0.34132385	-0.52218738
-0.55842590	-0.53126526	-0.50572205	-0.54121736	-0.52531433
-0.47651672	0.	0.59376526	0.68551636	0.71853638
0.71853638	0.68667603	0.59376526	0.00173[illegible]	-0.48019409
-0.47685242	-0.58412170	-0.48115540	-0.43351636	-0.47685242
-0.58412170	-0.48115540	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.96730042	0.41809082	0.43713379	0.64649943	0.20477295
0.33195496	0.51911926	0.47508240	-0.57223511	-0.55503845
0.	-0.53216553	-0.61082458	-0.52762817	-0.60448374
-0.58750916	0.57019043	0.54634094	0.63957214	0.38018799
0.57019043	0.54634094	0.72831726	0.01881409	-0.46307373
-0.63740540	-0.46307373	-0.43740845	-0.46307373	-0.63740540
-0.43542460	-0.46307373	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.56068420	0.51020813	0.44470215	0.52043152	0.52043152
0.45353699	0.45498657	0.53495789	-0.58750916	-0.46837207
-0.47686768	-0.50602722	-0.56236267	-0.41662598	-0.49957275
-0.48214722	0.	0.50397034	0.	0.74854033
0.99769592	0.99769592	0.	0.95176697	-0.65652466
-0.49559021	0.	-0.65652466	-0.04656982	-0.65652466
-0.83172607	-0.65652466	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.42355347	0.37432861	0.51899719	0.54301453	0.61293030
0.52117920	0.50865173	0.49729919	-0.58535767	-0.58612061
-0.38616943	0.	-0.59959412	-0.58689880	-0.64653696
-0.60920715	0.75724792	0.75724792	0.75724792	0.75724792
0.45933533	0.51165771	0.	0.	-0.63520442
-0.50447083	-0.52345276	-0.29151917	-0.33129883	-0.68600464
-0.50447083	-0.52345276	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.40065002	0.40797424	0.36669922	0.37945557	0.76669148
0.35177612	0.39237976	0.93414307	-0.54124451	-0.43887634
-0.50543213	-0.47785950	-0.49420166	-0.47883606	-0.49928284
-0.51425171	0.14968872	0.98831177	0.98831177	0.31730652
0.45167542	0.83535767	0.11962891	0.14968872	-0.59599304
-0.62583923	-0.04870605	-0.75927734	-0.59599304	-0.04870605
-0.72943115	-0.59599304	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.50476074	0.49803162	0.49966431	0.50988770	0.58120728
0.58503723	0.55169678	0.26968384	-0.54902649	-0.40221863
0.	-0.55039978	-0.45561218	-0.65997314	-0.58268738
-0.60[illegible]5188	0.62886047	0.54780579	0.54780579	0.34719849
0.62292480	0.54602051	0.34121704	0.41813660	-0.47204590
-0.46781971	-0.67344666	-0.47204590	-0.47204590	-0.46781971
-0.58335876	-0.39138794	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.25779724	0.94062805	0.26133728	0.41134644	1.00000000
0.52091980	0.33108521	0.27635547	-0.59700012	-0.59700012
-0.56016541	-0.58862305	-0.54914856	0.	-0.55032349
-0.55770874	1.00000000	1.00000[illegible]	0.	0.
0.	0.	1.00000000	1.00000000	-0.63740540
-0.68446350	-0.68446350	-0.67176819	0.	0.
-0.63740540	-0.68446350	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.44624329	0.74183655	0.17477417	0.17477417	1.00000000
0.28755188	0.17477417	1.00000000	-0.55828857	-0.56404114
-0.57574463	0.	-0.57575989	-0.57465548	-0.57575989
-0.57575989	0.27766418	0.93392944	0.93392944	0.37776184
0.	0.22132874	0.93392944	0.32142639	-0.77670288
-0.77670288	-0.77670288	-0.11648560	0.	0.
-0.77670288	-0.77670288	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.43023682	0.42109680	0.43482971	0.97349548	0.41926575
0.43441772	0.43708801	0.44952393	-0.51161194	-0.43545532
-0.48916626	-0.44010925	-0.56021118	-0.51641846	-0.48930359
-0.55766296	0.68235779	0.68235779	0.84118652	0.70299072
0.62821960	0.11256409	0.19425964	0.10603333	-0.54280090
-0.48210144	-0.48866272	-0.48866272	-0.48866272	-0.48866272
-0.48866272	-0.53172302	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.43254089	0.69325256	0.63652039	0.37026672	0.69116211
0.48396301	0.49093628	0.50131226	-0.31887512	-0.60237122
-0.37533369	-0.57202148	-0.65733337	-0.49880981	-0.50697327
-0.76826477	0.	0.82684326	0.39146423	0.36824036
0.82684326	0.82684326	0.39146423	0.36824036	-0.40020752
-0.36701965	-0.37060547	-0.86213684	-0.86213684	-0.40020752
-0.36701965	-0.37060547	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.68916321	0.48329163	0.44645788	0.44338989	0.47775269
0.45242310	0.47550476	0.48879607	-0.57000732	-0.43852234
-0.59860229	-0.54147339	-0.25453184	-0.38557434	-0.58583069
-0.62542725	0.74597168	0.62225764	0.53622437	0.5176 131
0.74597168	0.53622437	0.16791.96	0.14793396	-0.51176453
-0.44307251	-0.38798523	-0.56779958	-0.61650085	-0.38798523
-0.51176453	-0.44307251	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.50304578	0.49243164	0.46974182	0.49780273	0.60090637
0.43420410	0.47683076	0.52939978	0.51954651	-0.49511719
-0.44966513	-0.52650165	-0.37966614	-0.52882385	-0.38587752
-0.51527405	0.52984619	0.55853271	0.62328050	0.57669067
0.52984619	0.55853271	0.62328050	0.44591614	-0.50724797
-0.50724792	-0.42652893	-0.42652693	0.	-0.53993225
-0.50724792	-0.42652693	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.37338257	0.45923950	0.36875752	0.37113953	0.54445313
1.00000000	0.36822510	0.51457214	-0.45249939	-0.52188110
-0.50421143	-0.50108337	-0.50867222	-0.51940918	-0.44834900
-0.54351679	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.70910645
-0.60549927	0.	-0.70910645	-0.60549927	-0.70910645
0.	-0.00163233	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.33158275	0.24203491	0.34291077	0.33808899	1.00000000
1.00000000	0.34291077	0.34295554	-0.65383911	-0.58317566
-0.66139221	0.	-0.65115448	-0.66117859	-0.50416565
-0.28504944	0.91470337	0.3008 340	0.	0.69079590
0.91470337	0.32316115	0.	0.85597229	-0.13644531
-0.15447998	-0.12249756	-0.87390137	-0.12249756	-0.87732971
-0.87390137	-0.87390137	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.67132942	0.35122794	0.38320923	0.35075378	0.48956299
0.42663571	0.93699646	0.38986370	-0.49467795	-0.03501892
-0.68156431	-0.61505127	-0.59495544	-0.60997709	-0.59782410
-0.37127686	0.68424998	0.61142233	0.81378174	0.82922363
0.56083679	0.57203674	0.06417847	0.06417847	-0.51972961
-0.42881775	-0.42681775	-0.40640430	-0.68392344	-0.67242432
-0.42881775	-0.42681725	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.01426636	0.41813660	1.00000000	0.46496582	0.40777589
0.46116638	0.39927673	0.44438171	-0.2089539	-0.55938013
-0.75856323	0.	-0.45973206	-0.55223083	-0.61230469
-0.63786316	0.	0.	0.7.750765	0.53404236
0.58012390	0.72950745	0.71455547	0.71241760	-0.63636780
-0.46180725	-0.46180725	-0.68743896	-0.41320801	-0.46180725
-0.46430969	-0.41320801	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.18850708	0.27130127	0.29142761	1.00000000	0.97698975
0.22343445	0.25262451	0.79566956	-0.76957703	-0.85520117
-0.75984070	-0.26440430	0.	-0.77626033	-0.49697876
-0.04670715	0.42390442	0.47338867	0.47215271	0.92868042
0.92868047	0.28681946	0.	0.46532813	0.
-0.50183105	-0.26789856	-0.89136794	-0.73406982	-0.13545227
-0.73406982	-0.73526001	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

1.00000000	0.26376343	0.27705383	0.28376770	1.00000000
0.28862000	0.61228943	0.27447510	-0.82228088	-0.36074402
-0.62731728	0.	-0.21377563	-0.83827736	-0.12324524
-0.83430481	0.	0.	0.97308350	0.97308350
0.05764771	0.05000305	0.97308350	0.97308350	-0.27192688
-0.76831055	0.	-0.71452332	-0.76237688	-0.71452332
-0.76831055	0.	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49591064	0.49496460	0.50529480	0.51237488	0.50144958
0.49845886	0.49841309	0.49357605	-0.50984192	-0.49949646
-0.49510193	-0.51829529	-0.50646973	-0.44956970	-0.51062012
-0.51177783	0.44557190	0.44557190	0.45069885	0.56948853
0.49880381	0.56948853	0.56948853	0.45069885	-0.51136780
-0.51136780	-0.50627.36	-0.50627136	-0.43554688	-0.51136780
-0.50627136	-0.51136780	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.52310181	0.41842651	0.48860168	0.54547119	0.48695374
0.43251038	0.63856506	0.46632385	-0.50764465	-0.52699280
-0.51904297	-0.50656178	-0.40678406	-0.53533936	-0.50039673
-0.49719238	0.78927612	0.50695691	0.47116089	0.35716248
0.78524760	0.45144653	0.62976074	0.00692749	-0.55741882
-0.55435181	-0.55741882	-0.20294199	-0.51425171	-0.35741882
-0.68217468	-0.37296240	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.53246596	0.45263672	0.44818115	0.44012451	0.43266296
0.56570435	0.42224121	0.70591736	-0.36796570	-0.54162598
-0.54162598	-0.45307922	-0.44177246	-0.55357361	-0.55845479
-0.54162596	0.79998779	0.	0.79998779	0.79998779
0.	0.79998779	0.	0.79998779	-0.76728821
-0.76728821	-0.76728821	0.	-0.76728821	-0.31027222
-0.31027222	-0.31027222	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.62409973	0.94753606	0.98431396	0.19712630	0.32627869
0.21707153	0.18278503	0.52072144	-0.71336365	-0.46463013
-0.72247314	-0.70333862	-0.73248291	-0.37724304	-0.28643799
0.	0.97982788	0.14688110	0.	0.91360474
0.97982788	0.	0.	0.97982788	-0.21708679
-0.71054077	-0.71054077	-0.04986572	-0.21708679	-0.71054077
-0.71054077	-0.67372131	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.50384521	0.60128784	0.52061 52	0.89376831	0.39801025
0.53987122	0.40856934	0.13398743	-0.68777466	-0.80934143
-0.68898010	-0.75987244	-0.00521851	0.	-0.71511341
-0.33366394	0.03453064	1.00000000	0.	1.00000000
0.96546936	0.	0.96546936	0.03453064	-0.60311890
0.	-0.76112366	-0.63574219	-0.60311890	0.
-0.76112366	-0.63574219	0.	0.	0.

COMPONENT 38. 1 C WEIGHTS

0.59037781	0.34875488	1.00000000	0.36254883	0.58079529
0.34930420	0.34875488	0.41941833	-0.65628052	-0.00962830
-0.65628052	-0.65412903	-0.65617371	-0.35166931	-0.49218750
-0.52362061	0.68432617	0.84883118	0.	0.
0.68437195	0.84883118	0.08477783	0.84883118	-0.63842773
-0.63847351	-0.03977612	-0.63847351	-0.63847351	-0.12988281
-0.63847351	-0.63847351	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.55807495	0.39137268	0.39512634	0.42947388	0.39028931
0.44653320	1.00000000	0.38911438	-0.52194214	-0.52906799
-0.43516541	-0.45825195	-0.46543884	-0.54389428	-0.50119019
-0.54501343	0.	0.69766235	0.61781311	0.64457703
0.69766235	0.64457703	0.69766235	0.	-0.56285095
-0.50822449	-0.44683838	-0.44143677	-0.54006958	-0.56285095
-0.49084473	-0.44683838	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.36416626	1.00000000	0.35591125	0.37181091	0.40422058
0.48554993	0.65621948	0.36209106	-0.57014465	-0.57600403
-0.58200073	-0.58198547	-0.53613281	0.	-0.57138062
-0.58232117	0.54678345	0.54425049	0.56629944	0.57388306
0.59997559	0.57388306	0.59490967	0.	-0.50042725
-0.47299194	-0.47856140	-0.47856140	-0.53308105	-0.47299194
-0.53027344	-0.53308105	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48176575	0.52294922	0.48826599	0.48870850	0.63002014
0.38038635	0.49240112	0.51544189	-0.54563904	-0.55812073
-0.54203796	-0.63063049	-0.56982422	0.	-0.56111145
-0.59260559	0.65779114	0.65779114	0.51632690	0.49214172
0.66099548	0.51954651	0.49536133	0.	-0.42169189
-0.42169189	-0.57165527	-0.47245483	-0.42169189	-0.57165527
-0.57165527	-0.59744263	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.85882568	0.24681091	0.37509155	0.52473501	0.31958008
0.48843384	0.69827271	0.48818970	-0.63940430	-0.64125061
-0.68740845	-0.04351807	-0.71371460	-0.56224060	-0.71243286
0.	0.79939270	0.43774414	0.43774414	0.48321533
0.79939270	0.43774414	0.12153625	0.48321533	-0.83686629
-0.56256104	-0.56256104	-0.51640320	-0.19821167	-0.56256104
-0.56256104	-0.19821167	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

1.00000000	0.30357361	0.38658142	0.29835510	1.00000000
0.32305908	0.36459351	0.32380676	-0.53732300	-0.33067322
-0.46707153	-0.50688171	-0.51831482	-0.52897644	-0.57814026
-0.51258850	0.63642883	0.63642883	0.64289856	0.49438477
0.48628235	0.55177307	0.55177307	0.	-0.45983887
-0.45983887	-0.61920166	-0.46234131	-0.45983887	-0.45983887
-0.61920166	-0.45983887	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.43142700	0.43238831	0.48022461	1.00000000	0.38310242
0.41569519	0.43464661	0.42247009	-0.60038757	-0.48117065
-0.60321045	-0.19799805	-0.54637146	-0.47044373	-0.59558105
-0.50487178	0.11659241	0.	0.67312622	0.79811096
0.53739929	0.56089783	0.59440613	0.71940613	0.
-0.61676025	-0.58291626	-0.45652771	-0.72137451	-0.58291626
-0.58291626	-0.45652771	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.44706726	0.19378308	1.00000000	1.00000000	0.28390503
0.33038330	0.39956665	0.34576416	-0.72366333	-0.64285278
-0.64109802	-0.64138794	-0.63252258	0.	-0.71842957
0.	0.	0.	0.70855713	0.70855713
0.58345337	0.71696472	0.70503235	0.57739258	-0.42187500
-0.45811462	-0.63606262	-0.42187500	-0.46603394	-0.46603394
-0.67231750	-0.45764160	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.37396240	0.30020142	0.89646912	0.35864258	0.27473450
1.00000000	0.37109375	0.42483521	-0.59722900	-0.50350952
-0.52146362	-0.46975708	-0.30426025	-0.56138611	-0.54286194
-0.48950195	0.09877014	0.00398254	0.84721375	0.84721375
0.71803284	0.53173828	0.55697632	0.39604187	-0.46177673
-0.46177673	-0.46177673	-0.62754822	-0.46177673	-0.46177673
-0.46177673	-0.60173035	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46728516	0.44248962	0.46594238	0.45671062	1.00000000
0.36447144	0.40061951	0.40246582	-0.53594971	-0.47320557
-0.53118406	-0.53398132	-0.50256348	-0.51847839	-0.52935791
-0.37463379	0.	0.64926147	0.67419434	0.69636536
0.63452148	0.64926147	0.69636536	0.	-0.49041748
-0.59936523	-0.48097229	-0.45277405	-0.48097229	-0.52935791
-0.51332092	-0.45277405	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.43678284	0.58734131	0.34727478	0.59333801	0.69079590
0.445 7026	0.48930359	0.40934753	-0.20491028	-0.83969116
-0.31436157	-0.89727783	0.	-0.67117310	-0.82316589
-0.24940491	0.	0.66868591	0.65888977	0.66868591
0.71795654	0.70680237	0.57893372	0.	-0.42927551
-0.48535156	-0.48535156	-0.57794189	-0.47338867	-0.48535156
-0.48535156	-0.57794189	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.50868225	0.49932861	0.49920654	0 39215088	0.53956604
0.53770447	0.53543091	0.48786926	-0.55842590	-0.49398804
-0.35350037	-0.54505920	-0.54631042	-0.54110718	-0.48587036
-0.47570801	0.18357849	0.	0.	0.88374329
0.58058167	0.88374329	0.88374329	0.58456421	-0.42539978
-0.39764404	-0.76541138	-0.74218750	-0.42539978	-0.39764404
-0.39764404	-0.44860840	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.47973633	0.80708313	0.40003967	0.14025879	0.89424133
0.20953369	0.92628479	0.14277649	-0.61737031	-0.56143188
-0.54483032	0.	-0.52668762	-0.63470459	-0.57521057
-0.53973389	0.	0.71582031	0.71582031	0.48710632
0.68667603	0.70779419	0.68667603	0.	-0.42469788
-0.41181946	-0.75163269	-0.41181946	-0.41181946	-0.41181946
-0.75163269	-0.42469788	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.31292725	0.12767029	0.12767029	1.00000000	0.30403137
1.00000000	1.00000000	0.12767029	-0.73764038	0.
0.	-0.69839478	-0.37825012	-0.71156311	-0.73706055
-0.73706055	0.32316589	0.57949829	0.82225037	0.30737305
0.32316589	0.82225037	0.82225037	0.	-0.11744690
-0.73770142	-0.72407532	-0.11744690	-0.11744690	-0.73770142
-0.72407532	-0.72407532	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.25108337	0.39245605	1.00000000	0.27479553	0.35272217
0.34222412	1.00000000	0.38668823	-0.47288513	-0.56172180
-0.47045898	-0.47293091	-0.55612183	-0.52189636	-0.49359131
-0.45033264	0.	0.	0.82530212	0.82530212
0.69879150	0.82530212	0.82530212	0.	-0.42529297
-0.42529297	-0.57305908	-0.57635498	-0.42529297	-0.42529297
-0.57305908	-0.57635498	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.50939941	0.47589111	0.47918701	0.53915405	0.51036072
0.49125671	0.47854614	0.51617437	-0.02326965	-0.55186462
-0.60243225	-0.54173279	-0.58969116	-0.55171204	-0.59800720
-0.54125977	0.29225159	0.29225159	0.	0.62355042
0.44653320	0.69845581	0.77146912	0.87547302	-0.50958252
-0.43524170	-0.43524170	-0.61994434	-0.80000305	-0.43524170
-0.43524170	-0.32945251	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43177795	0.60536194	0.57865906	0.47161865	0.43177795
0.43463135	0.61012268	0.43576050	-0.4.558838	-0.53282166
-0.53260803	-0.43818665	-0.49450684	-0.53184509	-0.52046204
-0.53364563	0.	0.75335693	0.76976013	0.72247314
0.68292236	0.58741760	0.48403931	0.	-0.53236389
-0.53236389	-0.52478027	-0.41426086	-0.52478027	-0.45184326
-0.46721313	-0.53236389	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.29827881	0.27700806	0.99203491	0.34907532	0.35771179
0.47628764	0.84281921	0.40673828	-0.49438477	-0.39309692
-0.50938416	-0.56726074	-0.54611204	-0.53062439	-0.55667114
-0.40242004	0.	0.59416199	0.60594177	0.60418701
0.54145813	0.54414368	0.55590820	0.55416870	-0.48806763
-0.48806763	-0.47485352	-0.47682150	-0.54899597	-0.54704285
-0.48806763	-0.48806763	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48057556	0.48245239	0.54321289	0.54071045	0.49324036
0.46511841	0.54071045	0.45391846	-0.45730591	-0.45182800
-0.532667 3	-0.52989197	-0.60461426	-0.45828247	-0.47106934
-0.493896[illegible]	0.73179626	0.21830750	0.25299072	0.29972839
[illegible].76222229	0.76649475	0.71543884	0.25299072	-0.80056763
-0.36851501	-0.36851501	-0.41954041	-0.88201904	-0.36851501
-0.41954041	-0.37274170	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.24134827	0.24134827	0.24134827	0.49752808	0.63500977
0.79370117	1.00000000	0.34965515	-0.53742981	-0.71781921
-0.71591187	0.	-0.57879639	-0.71781921	-0.04405212
-0.68812561	0.93206787	0.44136047	0.21032715	0.93206787
0.45225525	0.	0.09982300	0.93206787	0.
-0.77182007	-0.77182007	0.	-0.77182007	-0.77182007
-0.77182007	-0.14053862	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.44612122	0.76443481	0.48121643	0.50340271	0.44482422
0.45478821	0.46060181	0.44456482	-0.53424072	-0.53288269
-0.53027344	-0.35842896	-0.52992249	-0.53343201	-0.52604675
-0.45475769	0.96691895	0.17456055	0.96943665	0.21931458
0.30892944	0.21931458	0.17456055	0.96691895	-0.52239990
-0.62545776	-0.53941345	0.	-0.52239990	-0.62545776
-0.53941345	-0.62545776	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52536011	0.44697571	0.49285889	0.47044373	0.48910522
0.53555298	0.49778748	0.54187012	-0.47656250	-0.47990417
-0.49218750	-0.50555420	-0.55325317	-0.49238586	-0.52352905
-0.47656250	0.50146484	0.41795349	0.65270996	0.56918335
0.35226440	0.43574524	0.56918335	0.50146484	-0.72540283
-0.42485046	-0.42485046	-0.50842285	-0.42485046	-0.64184570
-0.42485046	-0.42485046	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.45962524	0.46176147	0.99264526	0.39352417	0.39485168
0.39375305	0.51350403	0.39031982	-0.13899231	-0.59461975
-0.44081116	-0.59536743	-0.59580993	-0.58531189	-0.45655823
-0.59251404	0.	0.57347107	0.70109558	0.60469055
0.47300720	0.42839050	0.65922546	0.56007385	0.
-0.62629700	-0.62495422	-0.62629700	-0.62629700	-0.38336182
-0.48779297	-0.62495422	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

0.99659729	0.40274048	0.38212585	0.45658875	0.42770386
0.45858765	0.41624451	0.45938110	-0.61250305	-0.53210449
-0.58815002	-0.38822937	-0.41580200	-0.52360535	-0.47035217
-0.46923828	0.66360474	0.59637451	0.59637451	0.44032288
0.66360474	0.59637451	0.44032288	0.00299072	-0.49154663
-0.47648621	-0.62876892	-0.49154663	-0.49154663	-0.49154663
-0.43696594	-0.49154663	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.43516541	0.41903687	0.40328979	0.43516541	0.41284180
1.00000000	0.43516541	0.45932007	-0.57608032	-0.06597900
-0.58305359	-0.61018372	-0.34944153	-0.58578491	-0.61131287
-0.61813354	0.58564758	0.54783630	0.55476379	0.59259033
0.58564758	0.58564758	0.54783630	0.	-0.48532104
-0.52702332	-0.51936340	-0.48532104	-0.48532104	-0.48532104
-0.48532104	-0.52702332	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.21659851	0.75370789	1.00000000	0.21012878	0.21676636
0.68653870	0.23864746	0.67758179	-0.62019348	-0.62019348
-0.61532593	-0.07929993	-0.59439087	-0.51821899	-0.35258484
-0.59977722	0.00514221	0.87951660	0.03218079	0.95867920
0.39334106	0.42034912	0.42034912	0.89039612	-0.55453491
-0.52975464	-0.52975464	-0.55453491	-0.55453491	-0.55453491
-0.52975464	-0.19255066	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.42778015	0.39096069	0.36750793	0.36750793	1.00000000
0.37593079	0.45492554	0.61534119	-0.62892151	-0.70666504
-0.70666504	-0.55736389	0.	-0.66404724	-0.63630676
0.	0.998779	0.	0.79998779	0.79998779
0.	0.	0.79998779	0.79998779	-0.65882874
0.	-0.67057800	-0.67057800	-0.65882874	0.
-0.67057800	-0.67057800	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.16355896	1.00000000	0.22543335	1.00000000	0.23962402
0.14009094	0.23176271	1.00000000	-0.26316833	0.
-0.55873108	-0.74641416	-0.09165039	-0.22944641	-0.81608582
-0.67445861	0.	0.	0.74325562	0.74325562
0.61759949	0.66343589	0.74325562	0.48913574	-0.48330688
-0.24083252	-0.64630127	-0.48330688	-0.48330688	-0.64630127
-0.48330688	-0.48330688	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	0.96244812	0.98692322	0.00701904	0.00701904
0.85803223	0.09761047	0.04091736	-0.47161865	-0.55969238
-0.54414368	-0.56832886	-0.54214003	-0.58448792	-0.16691589
-0.56263733	0.	0.89331055	0.84672546	0.48338318
0.01824951	0.01824951	0.89331055	0.84672546	-0.75489807
-0.19647217	0.	-0.75489807	-0.75489807	0.
-0.75489807	-0.78388977	0	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.18823242	0.06869507	0.14155579	0.38256836	1.00000000
1.00000000	0.21891785	1.00000000	-0.52688599	-0.58265527
-0.54740906	-0.52366638	-0.12884521	-0.51437378	-0.60260010
-0.57333374	0.28126526	0.78982544	0.78982544	0.78982544
0.527059[illegible]	0.59654236	0.10902455	0.01657104	-0.45132446
-0.45132446	-0.43516541	-0.45132446	-0.45132446	-0.63659668
-0.65438843	-0.46850586	0.	0.	0.

COMPONENT 68. G-WEIGHTS

0.49923706	0.55229187	0.50288391	0.49093628	0.48864746
0.49101257	0.48907471	0.48631287	-0.48941040	-0.49937439
-0.49449158	-0.51083374	-0.55028992	-0.50572205	-0.48869324
-0.51158142	0.96891785	0.06874084	0.	0.96891785
0.05552673	0.	0.96891785	0.96891785	-0.70959473
-0.63121033	-0.69837952	0.	-0.63121033	-0.61997986
-0.70959473	0.	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.32633972	0.99755859	0.26873779	0.22564697	0.99755859
0.30436707	0.47796631	0.40179443	-0.62245178	-0.71838379
-0.69485474	-0.00709534	-0.00578308	-0.64517920	-0.65281677
-0.65240479	0.	0.	0.82357788	0.75364685
0.82357788	0.82357788	0.75192261	0.02368164	-0.44580078
-0.76600647	-0.42916870	-0.35067749	-0.44580078	-0.76600647
-0.35067749	-0.44580078	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.38832092	0.40676880	0.38502502	1.00000000	0.38043161
0.38357544	0.66691589	0.38896179	-0.74574280	-0.65385437
-0.32601929	-0.74182129	-0.74162292	-0.74871826	0.
-0.04216003	0.92425537	0.36784363	0.	0.70178223
0.92425537	0.38003540	0.	0.70178223	0.
0.	-0.64100647	-0.67948914	-0.67948914	-0.67948914
-0.64100647	-0.67948914	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53840637	0.53179932	0.49191284	0.50077820	0.50970459
0.52146912	0.42916870	0.47671509	-0.45765686	-0.53802490
-0.48503113	-0.47296143	-0.54302979	-0.48635864	-0.48793030
-0.52897644	0.60983276	0.29621887	0.28831482	0.31179810
0.64840698	0.62489319	0.63278198	0.58772278	-0.74914551
-0.39051819	-0.43554688	-0.41398621	-0.74914551	-0.39051819
-0.43554688	-0.43554688	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.51277161	0.50222778	0.58833313	0.49153137	0.42825317
0.42089844	0.56159973	0.49436951	-0.08308411	-0.63734436
-0.66065979	-0.64439392	-0.60476685	-0.71427917	-0.64476013
-0.01065063	0.	0.69891357	0.66197205	0.40028381
0.43725586	0.62516785	0.58818054	0.58818054	0.
-0.16685486	-0.57278442	-0.85147095	-0.57278442	-0.61203003
-0.61203003	-0.61203003	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.01770020	0.99835205	0.99835205
0.	0.98141479	0.99835205	0.99835205	0.70898438
0.	0.11053467	0.98141479	0.70013428	0.98141479
0.88143921	0.98141479	0.98141479	0.99835205	0.
0.47940063	0.	0.	0.24844360	0.
0.	0.98141479	0.	0.98915100	0.98141479
0.01919556	0.98141479	0.44839478	0.98141479	0.99835205
0.	0.	0.98141479	0.98141479	0.
0.	0.98141479	0.98141479	0.	0.
0.19123840	0.24836731	0.98141479	0.	0.98141479
0.98141479	0.20223999	0.99690247	0.98141479	0.
0.	0.	0.98141479	0.	0.98141479
0.12059021	0.	0.	0.	-0.53501892
-0.61547852	-0.76625061	-0.79341129	-0.01686096	-0.76438904
-0.66343689	-0.24031067	-0.09611511	-0.88725281	-0.05718994
-0.93345642	-0.66698538	-0.77030945	-0.88626099	-0.81192017
-0.36740112	-0.01686096	-0.85569763	-0.87432861	-0.79125977
-0.46841431	-0.93304443	-0.48275757	-0.93083191	-0.09611511
-0.77188110	-0.49877930	-0.48118591	0.	-0.04949551
0.	-0.85427856	-0.70918274	-0.61459351	-0.79714966
-0.05718994	-0.70841980	-0.38994055	-0.79994324	-0.76928711
-0.77215576	-0.89720154	-0.05718994	-0.57000732	-0.13909912
-0.559[illegible]100	-0.01686096	-0.75660706	-0.14122009	-0.91358948
-0.81565[illegible]7	-0.29730225	0.	-0.05718994	-0.14122009
-0.14122009	-0.09611511	0.	-0.88313293	-0.80766296
-0.14871216	0.	0.	0.	0.

COMPONENT 2. 2 G-WEIGHTS

0.50000000	-0.50000000	0.09725987	0.	0.78744507
0.02163696	0.10595703	0.33082886	0.	0.
0.02163696	0.90385437	0.13316345	0.37556458	0.82186690
0.42828369	0.90238953	0.67698669	0.02163696	0.56123352
0.98271179	0.82031250	0.90238953	0.10781860	0.99951172
0.95085144	0.07440186	0.99951172	0.57490540	0.14036560
0.90238953	0.86128235	0.86128235	0.96922302	0.02163696
0.86128235	0.99951172	0.90913391	0.85687256	0.02163696
0.73088074	0.02163696	0.90238953	0.	0.19619751
0.82186690	0.95085144	0.65769958	0.02163696	0.11363057
0.02163696	0.80201721	0.02163696	0.02163696	0.98271179
0.	0.13954163	0.87666321	0.02163696	0.80456563
0.99951172	0.95085144	0.02163696	0.86128235	-0.90618896
-1.00000000	-0.97302246	-0.12992859	-0.97302246	-0.85980225
-0.97300720	-0.0963897	-0.13383484	-0.97300720	-0.97300720
0.	-0.09796143	-1.00000000	-0.83854675	-0.17198181
-0.09638977	-0.97302246	-0.52258301	-0.81675720	-0.01133728
-0.18193054	-0.0963897	0.	0.	-0.05075073
-0.05075073	-0.33697510	0.	-0.84626770	-0.88034058
-0.97302246	-0.20585632	-0.13383484	-0.97302246	-0.97300720
-0.31195068	-0.01133728	-1.00000000	-1.00000000	-0.07392883
-0.14213562	-0.97300720	-0.27120972	-0.97300720	-0.18936157
-0.97302246	-1.00000000	-0.17198181	-0.05075073	-0.1338348
-0.97302246	-0.1338348 4	-0.03138733	-0.97300720	-0.87806702
-0.61886597	-0.56970215	-0.33969116	-0.87699890	-0.09638977
-0.91133728	0.	0.	0.	0.

MINPS=000000000004 MCYCS=000000000013 INDICT=000000000001

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06328273
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.58521065
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.32424669
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.19376472
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.25900570
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.22638521
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =      0.20000000    BIAS =      0.22638521

        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
          1. 1     0.0047014     2. 1     0.1839024     3. 1     0.2541375     4. 1     0.0791113     5. 1     0.
          6. 1     0.2172446     7. 1     0.            8. 1     0.1261806     9. 1     0.2826822    10. 1     0.2253365
         11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.0701166    15. 1     0.1502612
         16. 1     0.0973181    17. 1     0.2684492    18. 1     0.0972126    19. 1     0.           20. 1     0.1504318
         21. 1     0.           27. 1     0.           23. 1     0.0130194    24. 1     0.0885924    25. 1     0.
         26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.0944781    30. 1     0.1613395
         31. 1     0.0820483    32. 1     0.           33. 1     0.           34. 1     0.1959051    35. 1     0.
         36. 1     0.           37. 1     0.4115503    38. 1     0.           39. 1     0.           40. 1     0.
         41. 1     0.0471307    42. 1     0.0892732    43. 1     0.1071355    44. 1     0.1040811    45. 1     0.1359149
         46. 1     0.2112089    47. 1     0.           48. 1     0.           49. 1     0.0922098    50. 1     0.0084044
         51. 1     0.0862275    52. 1     0.0801161    53. 1     0.0256235    54. 1     0.           55. 1     0.
         56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
         61. 1     0.1967298    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.0714748
         66. 1     0.0406222    67. 1     0.2812058    68. 1     0.           69. 1     0.2100394    70. 1     0.0334450
         71. 1     0.           72. 1     0.1288024     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.31174380
   **   CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2    MS =      0.01000000    BIAS =     -0.31174380

        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
          1. 2     0.5060723     2. 2     0.4939277     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.50607
SUM NO.   2 IS     0.49393

*** 121     INPUT MS        INDENTIFICATION CORRECT
MINPS=000000000003      MCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.41388808
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.96590416
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.51792024
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.24191220
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.37991622
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.31091422
   **   CONTROL=000000000007
          6 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -1.31091422

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.8572963     3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.3111143     9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.6688795    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.6888872    35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.8029004    40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.8932457
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.1934696    64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.5688850    68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.29015872
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.58031747
   ** CONTROL=000000000003
     2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.58031747

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 122    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.11905487
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31855351
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.51805715
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41830283
   ** CONTROL=000000000007
     4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -0.41830283

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     1.2607783     7. 1     0.            8. 1     1.2203768     9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15.       0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20.       0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.3033323    35. 1     0.3161971
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.5977051    43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.2466203
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.0397743    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     1.1600186    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.30767849
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.40383923
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.95191960
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.17787939
   ** CONTROL=000000000007
     6 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -2.17787939

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.9659544     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.96595
SUM NO.   2 IS    0.

*** 123    INPUT H6        INDENTIFICATION CORRECT
MINPS=000000000001       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.51963009
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.31285888
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.10608765
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.70947328
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.51116610
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.41201250
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.46158929
   ** CONTROL=000000000007
     7 BIAS CHANGES
```

```
        LEVEL   1    MS =     0.20000000    BIAS =    -1.46158929

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.1684007     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.6588545    13. 1     0.           14. 1     0.2857841    15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.3778735
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.4137595    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.1308064    37. 1     0.2513633    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.5573529    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.6619039
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.6193685    63. 1     0.2543376    64. 1     0.           65. 1     0.8702371
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41489993
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.82979989
    ** CONTROL=000000000003
       2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -0.82979989

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 124    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.27716266
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.59841527
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.91966788
    ** CONTROL=000000000003
       3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.91966788

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     1.0801068
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     1.3002103    28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     1.0481199
        36. 1     1.1003751    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.7881813    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
    ** CONTROL=000000000005
       6 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.74999991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.9967213    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.99672
SUM NO.   2 IS    0.

*** 125    INPUT H1        INDENTIFICATION CORRECT
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41466486
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.22237185
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.03007883
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.62622534
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42429860
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.52526197
    ** CONTROL=000000000007
       6 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -1.52526197

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.691C714     8. 1     0.            9. 1     0.            10. 1    0.
 11. 1     0.6675957    12. 1     0.            13. 1    0.            14. 1    0.            15. 1    0.
 16. 1     0.           17. 1     0.            18. 1    0.            19. 1    0.            20. 1    0.4760046
 21. 1     0.           22. 1     0.            23. 1    0.            24. 1    0.            25. 1    0.
 26. 1     0.           27. 1     0.            28. 1    0.            29. 1    0.            30. 1    0.5732764
 31. 1     0.1688420    32. 1     0.4517888     33. 1    0.            34. 1    0.            35. 1    0.
 36. 1     0.           37. 1     0.            38. 1    0.            39. 1    0.            40. 1    0.
 41. 1     0.           42. 1     0.            43. 1    0.6367656     44. 1    0.            45. 1    0.
 46. 1     0.           47. 1     0.            48. 1    0.            49. 1    0.3387169     50. 1    0.
 51. 1     0.           52. 1     0.            53. 1    0.            54. 1    0.4745305     55. 1    0.
 56. 1     0.           57. 1     0.            58. 1    0.            59. 1    0.            60. 1    0.
 61. 1     0.5634498    62. 1     0.            63. 1    0.            64. 1    0.            65. 1    0.
 66. 1     0.           67. 1     0.            68. 1    0.            69. 1    0.            70. 1    0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.28483044
    ** CONTROL=00000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.56966089
    ** CONTROL=00000000003
        2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.56966089

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 126    INPUT V1        INIDENTIFICATION CORRECT
MINPS=000000000012        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31344090
    ** CONTROL=00000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.73876475
    ** CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.16408859
    ** CONTROL=00000000003
        3 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.16408859

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.            10. 1    0.
 11. 1     0.           12. 1     0.            13. 1    0.            14. 1    0.            15. 1    0.
 16. 1     0.           17. 1     0.            18. 1    0.            19. 1    0.4216399     20. 1    0.
 21. 1     0.           22. 1     0.6319851     23. 1    0.            24. 1    0.            25. 1    0.
 26. 1     0.           27. 1     0.            28. 1    0.            29. 1    0.            30. 1    0.
 31. 1     0.           32. 1     0.7164657     33. 1    0.            34. 1    0.            35. 1    0.
 36. 1     0.1512490    37. 1     0.            38. 1    0.7733879     39. 1    0.            40. 1    0.
 41. 1     0.           42. 1     0.            43. 1    0.            44. 1    0.            45. 1    0.
 46. 1     0.           47. 1     0.            48. 1    0.            49. 1    0.            50. 1    0.
 51. 1     0.           52. 1     0.            53. 1    0.            54. 1    0.            55. 1    0.
 56. 1     0.           57. 1     0.3771640     58. 1    0.            59. 1    0.            60. 1    0.
 61. 1     0.           62. 1     0.            63. 1    0.1579213     64. 1    0.9175230     65. 1    0.
 66. 1     0.           67. 1     0.            68. 1    0.7735559     69. 1    0.            70. 1    0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    ** CONTROL=00000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    ** CONTROL=00000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    ** CONTROL=00000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    ** CONTROL=00000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    ** CONTROL=00000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
    ** CONTROL=00000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.62499994
    ** CONTROL=00000000005
        7 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -2.62499994

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0071205    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.00712
SUM NO.   2 IS    0.

*** 127    INPUT H2        INIDENTIFICATION CORRECT
MINPS=000000000011        NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39941734
    ** CONTROL=00000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.08282129
    ** CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.76622525
    ** CONTROL=00000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42452328
    ** CONTROL=00000000007
        4 BIAS CHANGES
```

```
        LEVEL   1    MS =     0.20000000    BIAS =    -1.42457328

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.

        11.       0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.4810505    17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.5049264    24. 1     0.5594467    25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.5309560    30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.5752550    42. 1     0.5615257    43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.6903206    48. 1     0.5318957    49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.4712604     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35781412
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.71562325
   ** CONTROL=000000000003
      2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -0.71562925

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 128    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.36443095
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.73392271
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.10341446
   ** CONTROL=000000000003
      3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.10341446

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.3518396
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.0200154    19. 1     0.           20. 1     0.
        21. 1     1.0578063    22. 1     0.5685351    23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.7442309    29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.2232077    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.8124031    58. 1     0.3813553    59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.5055658
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -16.78257179
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -9.14128578
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -5.32064289
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.41032144
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.45516071
   ** CONTROL=000000000007
      7 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.45516071

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.9834739     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.98342
SUM NO.   2 IS    0.

*** 129    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.50209491
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03403874
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.56598257
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.30001065
   ** CONTROL=000000000007
      4 BIAS CHANGES
```

```
        LEVEL   1    MS =     0.70000000    BIAS =    -1.30001065

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.1594927     4. 1     0.6961969     5. 1     0.
         6. 1     0.5843442     7. 1     0.            8. 1     0.            9. 1     0.            10. 1    0.8636854
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.            15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.6835995    19. 1     0.            20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.            25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.1056324    29. 1     0.            30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.            35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.            40. 1     0.8365106
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.            45. 1     0.
        46. 1     0.1107665    47. 1     0.           48. 1     0.           49. 1     0.            50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.4037128    54. 1     0.            55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.            60. 1     0.7361234
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.            65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.            70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.             0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.09061176
    ** CONTROL=000000000001
       1 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =     0.09061174

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     0.9093082     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     0.90939

*** 136    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.22220790
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.45287544
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.68354297
    ** CONTROL=000000000003
       3 BIAS CHANGES

        LEVEL   1    MS =     0.70000000    BIAS =    -0.68354297

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.9071461     10. 1    0.3594812
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.            15. 1     0.
        16. 1     0.3471779    17. 1     0.6976297    18. 1     0.           19. 1     0.            20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.            25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.5091546    29. 1     0.            30. 1     0.
        31. 1     0.3382595    32. 1     0.           33. 1     0.           34. 1     0.            35. 1     0.
        36. 1     0.           37. 1     1.0428930    38. 1     0.           39. 1     0.            40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.            45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.            50. 1     0.
        51. 1     0.6668227    52. 1     0.           53. 1     0.           54. 1     0.            55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.            60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.            65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.            70. 1     0.5349519
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.             0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999998
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
    ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.87499991
    ** CONTROL=000000000005
       7 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.87499991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.7564034    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.48640
SUM NO.   2 IS     0.

*** 131    INPUT H4        INDENTIFICATION CORRECT
MINPS=000000000005       NCYCS=000000000014       INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.44020809
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25365314
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.06709817
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.66037567
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.45701441
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.55869503
    ** CONTROL=000000000007
       4 BIAS CHANGES
```

```
LEVEL   1    MS =      0.20000000    BIAS =    -1.55869503

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.3772920     4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.6171148
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.6417904
 46. 1     0.4521570    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.6308739    52. 1     0.6100736    53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.5748547    68. 1     0.           69. 1     0.6238975    70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.51690865
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.00845432
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25422716
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.63134074
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.44278395
    **  CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   2    MS =      0.01000000    BIAS =    -1.44278395

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.            2. 2     0.9150457     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    0.91505

*** 132    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.01371993
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.03744383
    **  CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   1    MS =      0.20000000    BIAS =     0.03744383

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.3794341     3. 1     0.3705409     4. 1     0.            5. 1     0.
  6. 1     0.6874539     7. 1     0.            8. 1     0.2412506     9. 1     0.2056557    10. 1     0.2293495
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.1402171
 16. 1     0.0609882    17. 1     0.1816489    18. 1     0.0371824    19. 1     0.           20. 1     0.1563128
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.1715603    25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.1271147    30. 1     0.0821717
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1803298    35. 1     0.
 36. 1     0.           37. 1     0.3002836    38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.2150763    43. 1     0.0034200    44. 1     0.0022399    45. 1     0.0277400
 46. 1     0.2314167    47. 1     0.           48. 1     0.           49. 1     0.0103726    50. 1     0.1331373
 51. 1     0.           52. 1     0.0003013    53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.1248619    62. 1     0.           63. 1     0            64. 1     0.           65. 1     0.
 66. 1     0.0905652    67. 1     0.3069591    68. 1     0.           69. 1     0.1661977    70. 1     0.
 71. 1     0.           72. 1     0.1573841     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.53228721
    **  CONTROL=000000000001
      1 BIAS CHANGES

LEVEL   2    MS =      0.01000000    BIAS =    -0.53228721

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.5821985     2. 2     0.4178015     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.58220
SUM NO.   2 IS    0.41780

*** 133    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41876620
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97373217
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.52869815
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25121516
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.38995665
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.32058591
    **  CONTROL=000000000007
      6 BIAS CHANGES
```

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```
LEVEL   1    MS =     0.20000000    BIAS =    -1.32058591

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.9698389     3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.2730161     9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.6791850    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.6792003    35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.7979666    40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.8393012
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.2318918    64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.5923110    68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43106966
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.86213933
   **   CONTROL=000000000003
          2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.86213933

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 134    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.15226699
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.42878820
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.70530941
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.56704880
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.63617910
   **   CONTROL=000000000007
          5 BIAS CHANGES
```

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171
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```
LEVEL   1    MS =     0.20000000    BIAS =    -0.63617910

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     1.4600364     7. 1     0.            8. 1     1.2696840     9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1935274    35. 1     0.0883197
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.7385640    43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.1727511
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     1.0351741    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -18.91753197
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -10.20876598
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -5.85438299
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.67719147
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.58859572
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.04429784
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.31644678
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.45252126
   **   CONTROL=000000000007
          10 BIAS CHANGES
```

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```
        LEVEL   2    MS =     0.01000000    BIAS =    -2.45252126

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.9931826    2. 2    0.           0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS   0.9931
SUM NO.   2 IS   0.

*** 135    INPUT H6        INDENTIFICATION CORRECT
MINPS=000000000001      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.52330562
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.36675657
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.21020752
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.78848206
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.57761933
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.47216797
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.52490364
   **   CONTROL=000000000007
          7 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.52490364

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1    0.           2. 1    0.1207475    3. 1    0.           4. 1    0.           5. 1    0.
         6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.          10. 1    0.
        11. 1    0.          12. 1    0.5809471   13. 1    0.          14. 1    0.3732981   15. 1    0.
        16. 1    0.          17. 1    0.          18. 1    0.          19. 1    0.          20. 1    0.
        21. 1    0.          22. 1    0.          23. 1    0.          24. 1    0.          25. 1    0.4042895
        26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.          30. 1    0.
        31. 1    0.3541362   32. 1    0.          33. 1    0.          34. 1    0.          35. 1    0.
        36. 1    0.0633305   37. 1    0.1944414   38. 1    0.          39. 1    0.          40. 1    0.
        41. 1    0.          42. 1    0.          43. 1    0.          44. 1    0.5674797   45. 1    0.
        46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.          50. 1    0.
        51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.          55. 1    0.5737743
        56. 1    0.          57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
        61. 1    0.          62. 1    0.5454968   63. 1    0.2193574   64. 1    0.          65. 1    0.7957874
        66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.          70. 1    0.
        71. 1    0.          72. 1    0.          0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.28537576
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.57075153
   **   CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -0.57075153

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.           2. 2    1.0000000    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00000

*** 136    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.26886702
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.59706522
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92530343
   **   CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    IAS =    -0.92530343

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1    0.           2. 1    0.           3. 1    0.           4. 1    0.           5. 1    1.0744713
         6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.          10. 1    0.
        11. 1    0.          12. 1    0.          13. 1    0.          14. 1    0.          15. 1    0.
        16. 1    0.          17. 1    0.          18. 1    0.          19. 1    0.          20. 1    0.
        21. 1    0.          22. 1    0.          23. 1    0.          24. 1    0.          25. 1    0.
        26. 1    0.          27. 1    1.3148810   28. 1    0.          29. 1    0.          30. 1    0.
        31. 1    0.          32. 1    0.          33. 1    0.          34. 1    0.          35. 1    1.0655457
        36. 1    1.2019060   37. 1    0.          38. 1    0.          39. 1    0.          40. 1    0.
        41. 1    0.          42. 1    0.          43. 1    0.          44. 1    0.          45. 1    0.
        46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.          50. 1    0.
        51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.          55. 1    0.
        56. 1    0.          57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
        61. 1    0.          62. 1    0.          63. 1    0.          64. 1    0.          65. 1    0.
        66. 1    0.7379050   67. 1    0.          68. 1    0.          69. 1    0.          70. 1    0.
        71. 1    0.          72. 1    0.          0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   **   CONTROL=000000000005
          5 BIAS CHANGES
```

```
LEVEL   2    MS =      0.01000000    BIAS =    -2.99999991

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 2    0.0024438    2. 2    0.          0. 0    0.          0. 0    0.          0. 0    0.
SUM NO.   1 IS    0.00244
SUM NO.   2 IS    0.

*** 137    INPUT V1        INCENTIFICATION CORRECT
MINPS=000000000013        NCYCS=000000000014        INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41788627
  **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.23830149
  **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.05871668
  **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.64850910
  **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.44340530
  **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.54595719
  **  CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   1    MS =      0.20000000    BIAS =    -1.54595719

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1    0.          2. 1    0.          3. 1    0.          4. 1    0.          5. 1    0.
  6. 1    0.          7. 1    0.6761481   8. 1    0.          9. 1    0.          10. 1   0.
 11. 1    0.6507100   12. 1   0.          13. 1   0.          14. 1   0.          15. 1   0.
 16. 1    0.          17. 1   0.          18. 1   0.          19. 1   0.          20. 1   0.4533960
 21. 1    0.          22. 1   0.          23. 1   0.          24. 1   0.          25. 1   0.
 26. 1    0.          27. 1   0.          28. 1   0.          29. 1   0.          30. 1   0.5635286
 31. 1    0.1552319   32. 1   0.4834694   33. 1   0.          34. 1   0.          35. 1   0.
 36. 1    0.          37. 1   0.          38. 1   0.          39. 1   0.          40. 1   0.
 41. 1    0.          42. 1   0.          43. 1   0.6211056   44. 1   0.          45. 1   0.
 46. 1    0           47. 1   0.          48. 1   0.          49. 1   0.3820973   50. 1   0.
 51. 1    0.          52. 1   0.          53. 1   0.          54. 1   0.4538430   55. 1   0.
 56. 1    0.          57. 1   0.          58. 1   0.          59. 1   0.          60. 1   0.
 61. 1    0.5446055   62. 1   0.          63. 1   0.          64. 1   0.          65. 1   0.
 66. 1    0.          67. 1   0.          68. 1   0.          69. 1   0.          70. 1   0.
 71. 1    0.          72. 1   0.          0. 0    0.          0. 0    0.          0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31757265
  **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.63514534
  **  CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   2    MS =      0.01000000    BIAS =    -0.63514534

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 2    0.          2. 2    1.0000000   0. 0    0.          0. 0    0.          0. 0    0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 138    INPUT V1        INCENTIFICATION CORRECT
MINPS=000000000012        NCYCS=000000000014        INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30128625
  **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.78192601
  **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.26256576
  **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.02224588
  **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.14240582
  **  CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   1    MS =      0.20000000    BIAS =    1.14240582

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1    0.          2. 1    0.          3. 1    0.          4. 1    0.          5. 1    0.
  6. 1    0.          7. 1    0.          8. 1    0.          9. 1    0.          10. 1   0.
 11. 1    0.          12. 1   0.          13. 1   0.          14. 1   0.          15. 1   0.
 16. 1    0.          17. 1   0.          18. 1   0.          19. 1   0.6046087   20. 1   0.
 21. 1    0.          22. 1   0.7229700   23. 1   0.          24. 1   0.          25. 1   0.
 26. 1    0.          27. 1   0.          28. 1   0.          29. 1   0.          30. 1   0.
 31. 1    0.          32. 1   0.7423163   33. 1   0.          34. 1   0.          35. 1   0.
 36. 1    0.1513398   37. 1   0.          38. 1   0.8002087   39. 1   0.          40. 1   0.
 41. 1    0.          42. 1   0.          43. 1   0.          44. 1   0.          45. 1   0.
 46. 1    0.          47. 1   0.          48. 1   0.          49. 1   0.          50. 1   0.
 51. 1    0.          52. 1   0.          53. 1   0.          54. 1   0.          55. 1   0.
 56. 1    0.          57. 1   0.3308537   58. 1   0.          59. 1   0.          60. 1   0.
 61. 1    0.          62. 1   0.          63. 1   0.1152835   64. 1   0.9757999   65. 1   0.
 66. 1    0.          67. 1   0.          68. 1   0.8573968   69. 1   0.          70. 1   0.
 71. 1    0.          72. 1   0.          0. 0    0.          0. 0    0.          0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
  **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
  **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999988
  **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
  **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
  **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.24999998
  **  CONTROL=000000000005
      [illegible] BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -3.24999988

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2     1.0117297     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    1.01173
SUM NO.   2 IS    0.

*** 139    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40808037
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.11217345
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.81626654
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.46422000
   **   CONTROL=000000000007
          4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.46422000

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1     0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
  6. 1     0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
 11. 1     0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
 16. 1     0.6368376    17. 1      0.           18. 1      0.           19. 1      0.0356352    20. 1      0.
 21. 1     0.           22. 1      0.           23. 1      0.5978907    24. 1      0.5070315    25. 1      0.
 26. 1     0.           27. 1      0.           28. 1      0.           29. 1      0.6400526    30. 1      0.
 31. 1     0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
 36. 1     0.           37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
 41. 1     0.5355812    42. 1      0.5308481    43. 1      0.           44. 1      0.           45. 1      0.
 46. 1     0.           47. 1      0.6426814    48. 1      0.5044427    49. 1      0.           50. 1      0.
 51. 1     0.           52. 1      0.           53.        0.           54. 1      0.           55. 1      0.
 56. 1     0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
 61. 1     0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
 66. 1     0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
 71. 1     0.           72. 1      0.4929687     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37520728
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.75041457
   **   CONTROL=000000000003
          2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.75041457

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 2     0.            2. 2      1.0000000     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 140    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35277820
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.75532131
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.15786442
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.95659287
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.05722864
   **   CONTROL=000000000007
          5 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.05722864

COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
  1. 1     0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
  6. 1     0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.3565086
 11. 1     0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
 16. 1     0.           17. 1      0.0350369    18. 1      0.           19. 1      0.           20. 1      0.
 21. 1     1.1387419    22. 1      0.5957636    23. 1      0.           24. 1      0.           25. 1      0.
 26. 1     0.           27. 1      0.           28. 1      0.8352395    29. 1      0.           30. 1      0.
 31. 1     0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
 36. 1     0.           37. 1      0.           38. 1      0.2715003    39. 1      0.           40. 1      0.
 41. 1     0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.
 46. 1     0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.
 51. 1     0.           52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
 56. 1     0.           57. 1      0.9819569    58. 1      0.4860371    59. 1      0.           60. 1      0.
 61. 1     0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
 66. 1     0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.4887221
 71. 1     0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   **   CONTROL=000000000005
          5 BIAS CHANGES
```

```
        LEVEL   2    MS =      0.01000000    BIAS =    -2.99999991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0914223     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.09142
SUM NO.   2 IS    0.

*** 141    INPUT H3      *  INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.50691921
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.04088117
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.57484314
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.30786216
   **  CONTROL=000000000007
         4 BIAS CHANGES

        LEVEL   1    MS =      0.20000000    BIAS =    -1.30786216

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.1664275     4. 1     0.6882340     5. 1     0.
         6. 1     0.4517313     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.8504781
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.6848946    19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.1763519    29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.8289029
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.0922517    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.5006102    54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.7277132
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.19151601
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.38303204
   **  CONTROL=000000000003
         2 BIAS CHANGES

        LEVEL   2    MS =      0.01000000    BIAS =     0.38303204

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 142    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.23615064
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.47575364
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.71535663
   **  CONTROL=000000000003
         3 BIAS CHANGES

        LEVEL   1    MS =      0.20000000    BIAS =    -0.71535663

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.8899607    10. 1     0.4353214
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.0098888    17. 1     0.7269290    18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.4912629    29. 1     0.           30. 1     0.
        31. 1     0.3932033    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     1.0730531    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.5695047    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.6642328
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.4[illegible]99
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   **  CONTROL=000000000005
         5 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -2.99999991

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.9615171     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.96152
SUM NO.   2 IS   0.

*** 143    INPUT 44          INDENTIFICATION CORRECT
MINPS=000000000003          NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.44017281
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.25762609
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -2.07507935
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.66635273
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.46198942
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.56417108
   **   CONTROL=000000000007
          6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.56417108

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.3411918     4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.            10. 1    0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.            15. 1    0.6089195
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.            20. 1    0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.            25. 1    0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.            30. 1    0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.            35. 1    0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.            40. 1    0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.            45. 1    0.6732419
 46. 1     0.4700259    47. 1     0.           48. 1     0.           49. 1     0.            50. 1    0.
 51. 1     0.6553774    52. 1     0.6117906    53. 1     0.           54. 1     0.            55. 1    0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.            60. 1    0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.            65. 1    0.
 66. 1     0.           67. 1     0.5662211    68. 1     0.           69. 1     0.6397655     70. 1    0.
 71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.49999996
   **   CONTROL=000000000001
          2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -1.49999996

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.            2. 2     1.0088912     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00889

*** 144    INPUT V4          INDENTIFICATION CORRECT
MINPS=000000000004          NCYCS=000000000014        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.04026514
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.10081962
   **   CONTROL=000000000003
          2 BIAS CHANGES
LEVEL   1    MS =     0.20000000    BIAS =    -0.10081962

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.5150050     3. 1     0.5735994     4. 1     0.            5. 1     0.
  6. 1     0.7493942     7. 1     0.            8. 1     0.2447824     9. 1     0.0502402     10. 1    0.2497592
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.            15. 1    0.1505717
 16. 1     0.0031589    17. 1     0.0651620    18. 1     0.           19. 1     0.            20. 1    0.1641043
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.2901128     25. 1    0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.1631684     30. 1    0.0263405
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1537418     35. 1    0.
 36. 1     0.           37. 1     0.2420334    38. 1     0.           39. 1     0.            40. 1    0.
 41. 1     0.           42. 1     0.3772663    43. 1     0.           44. 1     0.            45. 1    0.
 46. 1     0.2799127    47. 1     0.           48. 1     0.           49. 1     0.            50. 1    0.1878102
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.            55. 1    0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.            60. 1    0.
 61. 1     0.0493739    62. 1     0.           63. 1     0.           64. 1     0.            65. 1    0.
 66. 1     0.0312919    67. 1     0.3561536    68. 1     0.           67. 1     0.1213524     70. 1    0.
 71. 1     0.           72. 1     0.1509380    0. 0      0.           0. 0      0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.65312380
   **   CONTROL=000000000001
          1 BIAS CHANGES
```

```
      LEVEL   2    MS =     0.01000000    BIAS =    -0.4.312380

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.2808847     2. 2     0.7191153     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.28088
SUM NO.   2 IS    0.71912

*** 145    INPUT H5        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.03193627
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.07773675
    **  CONTROL=000000000003
          2 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =     0.07773675

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.2140345     3. 1     0.1456171     4. 1     0.0055833     5. 1     0.
        6. 1     0.1761794     7. 1     0.            8. 1     0.2882410     9. 1     0.2663089    10. 1     0.2043919
       11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.1045409    15. 1     0.0679967
       16. 1     0.1259826    17. 1     0.2439738    18. 1     0.1437869    19. 1     0.           20. 1     0.1889938
       21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.1299681    25. 1     0.
       26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.1149064    30. 1     0.2191687
       31. 1     0.0404926    32. 1     0.           33. 1     0.           34. 1     0.2102464    35. 1     0.
       36. 1     0.           37. 1     0.3371173    38. 1     0.           39. 1     0.           40. 1     0.
       41. 1     0.0405188    42. 1     0.1909013    43. 1     0.0970208    44. 1     0.0723464    45. 1     0.1207141
       46. 1     0.1839248    47. 1     0.           48. 1     0.           49. 1     0.1183759    50. 1     0.1074741
       51. 1     0.           52. 1     0.           53. 1     0.0521510    54. 1     0.           55. 1     0.
       56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
       61. 1     0.2477920    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.0958409
       66. 1     0.0604871    67. 1     0.2227316    68. 1     0.           69. 1     0.1961814    70. 1     0.0199885
       71. 1     0.           72. 1     0.1558792     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.25413390
    **  CONTROL=000000000001
          1 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =    -0.25413390

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.7062761     2. 2     0.2937239     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.70628
SUM NO.   2 IS    0.29372

*** 146    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.42224821
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.99403676
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.56582531
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.27993104
    **  CONTROL=000000000007
          4 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -1.27993104

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.9355740     3. 1     0.            4. 1     0.            5. 1     0.
        6. 1     0.            7. 1     0.            8. 1     0.2902877     9. 1     0.           10. 1     0.
       11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
       16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
       21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
       26. 1     0.7198475    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
       31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.7198628    35. 1     0.
       36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.8435213    40. 1     0.
       41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
       46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.9164572
       51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
       56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
       61. 1     0.           62. 1     0.           63. 1     0.3328567    64. 1     0.           65. 1     0.
       66. 1     0.           67. 1     0.6172662    68. 1     0.           69. 1     0.           70. 1     0.
       71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30790941
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.61581884
    **  CONTROL=000000000003
          2 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =    -0.61581884

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 147    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.15021698
    **  CONTROL=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40910770
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.66799642
   **   CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.66799642

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     1.0765902     7. 1     0.            8. 1     1.3054319     9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1530364    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.9786513    43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.1062516
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0            55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.9805347    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -12.53572202
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -7.01786101
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -4.25893044
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.87946522
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.18973261
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.53459892
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.36216575
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.36216575

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0547482     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.05475
SUM NO.   2 IS    0.

*** 148    INPUT H6        INDENTIFICATION CORRECT
MENPS=000000000001      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.52658275
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.38858065
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.25057855
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.81957960
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.60408013
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49633040
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.49633040

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.1259120     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.6187742    13. 1     0.           14. 1     0.4438388    15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.4949785
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.3777511    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.1050592    37. 1     0.2411219    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.5930135    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50  1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.6215587
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.5787991    63. 1     0.2728592    64. 1     0.           65  1     0.8271728
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30415627
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.60831256
   **   CONTROL=000000000003
          2 BIAS CHANGES
```

```
LEVEL   2    MS =     0.01000000    BIAS =    -0.60831256

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
       1. 2      0.            2. 2      1.0000000     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00000

*** 149    INPUT V6        INDENTIFICATION CORRECT
MIMPS=000000000014        NCYCS=000000000014        INDICT=000060000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.26615168
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.59958894
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.93302600
    **  CONTROL=000000000003
        3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.93302600

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
       1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      1.0667487
       6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
      11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
      16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.
      21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
      26. 1      0.           27. 1      1.2999056    28. 1      0.           29. 1      0.           30. 1      0.
      31. 1      0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      1.0667487
      36. 1      1.1656420    37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
      41. 1      0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.
      46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.
      51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
      56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
      61. 1      0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
      66. 1      0.7248541    67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
      71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
    **  CONTROL=000000000005
        6 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.74999991

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
       1. 2      0.9000618    2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS   0.90006
SUM NO.   2 IS   0.

*** 150    INPUT H1        INDENTIFICATION CORRECT

NEW G-WEIGHTS FROM RESULT OF INPUT  150


      COMPONENT   1. 1  G-WEIGHTS

        0.49571228      0.51788330      0.50225830      0.49572754      0.49572754
        0.49572754      0.50105286      0.49572754     -0.50091553     -0.50091553
       -0.50091553     -0.50091553     -0.49334717     -0.50091553     -0.50091553
       -0.50091553      0.48864746      0.48864746      0.48864746      0.51882935
        0.48864746      0.48864746      0.51882935      0.51882935     -0.50749207
       -0.50749207     -0.50749207      0.50749207      0.47732544     -0.47732544
       -0.50749207     -0.50749207      0.              0.              0.

      COMPONENT   2. 1  G-WEIGHTS

        1.00000000      0.24597168      0.39845276      1.00000000      0.12857056
        0.06465149      0.16230774      1.00000000     -0.77096558     -0.11997986
       -0.77958679     -0.75033569     -0.23474121     -0.67408752     -0.66160583
       -0.00865173      0.44294739      0.72462463      0.72462463      0.72462463
        0.65924072      0.65924072      0.03233337      0.03233337     -0.36474609
       -0.49551064     -0.50254822     -0.50500488     -0.50502014     -0.61915588
       -0.50254822     -0.50502014      0.              0.              0.

      COMPONENT   3. 1  G-WEIGHTS

        0.52262878      0.50726318      0.36735535      0.48625183      0.20814514
        0.51968384      0.96778870      0.42083740     -0.02026367     -0.61338806
       -0.13911438     -0.50653076     -0.66151428     -0.96141052     -0.51513672
       -0.58261108      0.04295349      0.78259277      0.78259277      0.57048035
        0.61938477      0.59161377      0.28073120      0.32962036     -0.43836975
       -0.68492126     -0.43836975     -0.45593262     -0.40312195     -0.43836975
       -0.45593262     -0.68492126      0.              0.              0.

      COMPONENT   4. 1  G-WEIGHTS

        0.61370850      0.44732666      0.45739746      0.50350952      0.47601318
        0.48977661      0.50210571      0.51051331     -0.62817303     -0.00024414
       -0.63053894     -0.62506104     -0.67362976     -0.19253540     -0.63059998
       -0.61959839      0.50552368      0.50898743      0.51031494      0.49092102
        0.48368835      0.49867249      0.50213623      0.49971008      0.
       -0.56840515     -0.56744385     -0.58016968     -0.58663940     -0.56527710
       -0.56411743     -0.56840515      0.              0.              0.
```

COMPONENT 5. 1 G-WEIGHTS

0.42158508	0.41986084	0.43397522	0.44589233	0.78307776
0.41986304	0.63599182	0.44374084	-0.49853516	-0.52478027
-0.56719971	-0.46719604	-0.59365845	-0.59385681	-0.51745605
-0.29728499	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.53033447
-0.57766724	0.	-0.59466553	-0.53033447	-0.57766724
-0.59466553	-0.59466553	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.43682861	0.29144287	0.	0.91078186	1.00000000
0.34083984	1.00000000	0.00006104	-0.44913147	-0.63613892
-0.45481873	-0.04330444	-0.55639648	-0.51159648	-0.80235291
-0.52622986	0.61846924	0.88676453	0.	0.80398560
0.88676453	0.	0.	0.80398560	0.
-0.64582825	-0.64582825	-0.64323425	-0.64582825	-0.64582825
-0.77342224	0.	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

1.00000000	1.00000000	1.00000000	0.17425537	0.17510986
0.32513428	0.16227722	0.16319275	-0.66517639	0.
-0.66728210	-0.66647339	-0.66802979	-0.66824341	0.
-0.66477966	0.66311646	0.66320801	0.67395020	0.66320801
0.67395020	0.66253662	0.	0.	-0.48576355
-0.50509644	-0.50131226	-0.50054932	-0.50041199	-0.50509644
-0.50131226	-0.50041199	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.25263977	0.18788147	0.61776733	0.26971436	0.30046082
1.00000000	1.00000000	0.37150574	-0.62919617	-0.08561707
-0.68760681	-0.65232849	-0.65849304	0.	-0.68792725
-0.59880056	0.	0.	1.00000000	1.00000000
0.	1.00000000	1.00000000	0.	-0.57684326
[illegible]	-0.57794189	-0.57684326	-0.56449890	0.
[illegible]	-0.57794189	0.	0.	0.

COMPONENT [illegible] 1 G-WEIGHTS

0.44911194	1.00000000	1.00000000	0.33091736	0.42466736
0.30329695	0.02485657	0.46710205	-0.58010864	-0.00503540
-0.53218079	-0.46392822	-0.60765076	-0.63201904	-0.61148071
-0.56753540	0.96405029	0.10783386	0.	0.96405029
0.	1.00000000	0.	0.96405029	-0.03517151
-0.49330139	-0.67324829	0.	-0.77853394	-0.67324829
-0.67324829	-0.67324829	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.98641968	0.01617432	0.98826599	0.00315857	0.98826599
0.98826599	0.02378845	0.00561523	-0.64990234	-0.67005920
-0.64898682	-0.67019653	-0.00617981	-0.59542847	-0.08518982
-0.67399597	0.46585083	0.80307007	0.63546753	0.09556580
0.09556580	0.46585083	0.80307007	0.63546753	-0.65496826
-0.58041382	-0.65496826	-0.65461731	-0.02758789	-0.11773259
-0.65496826	-0.65461731	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.36624146	0.35707092	0.35707092	0.26777649	0.34794617
0.30387878	1.00000000	1.00000000	-0.56533813	-0.59078979
-0.56915283	-0.57223511	-0.56651306	-0.55940247	0.
-0.57655334	0.58116150	0.58116150	0.57330322	0.58116150
0.58116150	0.55494690	0.54705811	0.	0.48570251
-0.51708984	-0.52717590	-0.49580383	-0.48570251	-0.48570251
-0.51708984	-0.48570251	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.33164978	0.36506653	0.32752991	0.93023682	1.00000000
0.35954285	0.35882568	0.32710266	0.	0.
-0.76560974	-0.77690125	-0.77334595	-0.23554993	-0.75280762
-0.69573975	0.	0.	0.69229126	0.61944580
0.67015076	0.69229126	0.65563965	0.67015076	-0.44981384
-0.51841736	-0.56629944	-0.49975586	-0.44981384	-0.49975586
-0.56629944	-0.44981384	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.38848877	0.43605042	0.45640564	0.57922363	0.56159973
0.56901550	0.44990540	0.55928040	-0.54269409	-0.47941589
-0.44476318	-0.53431702	-0.45362854	-0.46156311	-0.59751892
-0.49605347	0.20079041	0.91352844	0.48066711	0.20079041
0.60920715	0.91352844	0.48066711	0.20079041	-0.28372192
-0.69335938	-0.96275330	-0.56446838	-0.28372192	-0.69335938
-0.25927734	-0.25927734	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

[illegible]	0.33792114	0.88739014	0.42108154	0.41641235
[illegible]	0.40765381	0.41853333	-0.52398682	-0.53462[illegible]
-0.54432315	-0.37542725	-0.54115295	-0.46728516	-0.47822[illegible]
-0.53472900	0.	0.	0.67765808	0.77061462
0.46586609	0.64062500	0.82435608	0.62084961	-0.08171[illegible]
-0.61584473	-0.51213074	-0.51213074	-0.63873101	-0.61584473
-0.51213074	-0.51213074	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.27103182	0.25898743	0.63858032	1.00000000	0.30006409
0.24916077	0.97544697	0.28642273	-0.36256409	-0.52777100
-0.54238692	-0.53799630	-0.51438904	-0.51828813	-0.51722717
-0.48742676	0.01835637	0.64839172	0.70108032	0.66004944
0.66004944	0.64175415	0.64839172	0.82108110	-0.52139282
-0.51925659	-0.51983220	-0.45337639	-0.49272156	-0.51925659
-0.51986220	-0.45337639	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

1.00000000	0.40553284	0.42668152	0.67552185	0.19577026
0.30986023	0.51776123	0.46684155	-0.57611004	-0.56033325
-0.00003657	-0.52931213	-0.59067859	-0.53958130	-0.60578918
-0.59011341	0.53137207	0.51846313	0.71185303	0.54745483
0.53137207	0.51846313	0.64099121	0.	-0.50917053
-0.48785400	-0.50917053	-0.49433899	-0.50917053	-0.48785400
-0.43720984	-0.50917053	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.54217429	0.48297119	0.48925781	0.49311829	0.49311829
0.51348550	0.47724915	0.50819307	-0.53181458	-0.47555542
-0.49560547	-0.52452087	-0.58035278	-0.41209412	-0.47920227
-0.50082397	0.08061218	0.	0.08061218	0.91912842
0.92984009	0.92984009	0.08061218	0.97930908	-0.70346069
-0.58476731	-0.04713440	-0.70346069	0.	-0.70346069
-0.55421448	-0.70346069	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.43176270	0.37126160	0.50781250	0.53358659	0.62536621
0.51769856	0.49670410	0.51557922	-0.58764648	-0.58036365
-0.46049588	-0.00437927	-0.60087585	-0.58909607	-0.63069153
-0.59849548	0.66880798	0.66880798	0.66880798	0.66880798
0.62202454	0.65017700	0.	0.05253601	-0.48986815
-0.53532410	-0.54667664	-0.40093994	-0.42481995	-0.52032471
-0.53532410	-0.54667664	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.36219768	0.34967468	0.32760420	0.34060669	0.93368530
0.31240645	0.35379028	1.00000000	-0.53776550	-0.48982239
-0.50497437	-0.47972107	-0.49468994	-0.48062134	-0.49932841
-0.51304626	0.	0.99403381	0.99403381	0.36515808
0.65753174	0.98922729	0.	0.	-0.62187195
-0.64555359	-0.00476074	-0.75148010	-0.62187195	-0.00476074
-0.72778320	-0.62187195	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.52557373	0.43166945	0.54025259	0.51968384	0.56692505
0.57084656	0.53778076	0.25721741	-0.56092834	-0.61259460
-0.00718669	-0.56225586	-0.47018433	-0.59843445	-0.57786560
-0.61050415	0.53152983	0.48112488	0.48112488	0.48570251
0.52813721	0.48001099	0.48194885	0.53007507	-0.51502991
-0.51234014	-0.51094055	-0.51502991	-0.51502991	-0.51239014
-0.45458964	-0.46456909	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.22174572	1.00000000	0.22637939	0.42230225	1.00000000
0.56542969	0.31748962	0.24662781	-0.59329224	-0.59329224
-0.56179810	-0.58613586	-0.55236816	0.	-0.55337524
-0.55969238	1.00000000	1.00000000	0.	0.
0.	0.	1.00000000	1.00000000	-0.65020752
-0.67666626	-0.67666626	-0.66954041	0.	0.
-0.65020752	-0.67666626	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.07507732	1.00000000	0.08003235	0.08003235	1.00000000
0.25239563	0.08003235	1.00000000	-0.56097412	-0.56535176
-0.57485367	0.	-0.57487488	-0.57395935	-0.57487488
-0.57487488	0.30747986	0.93379211	0.93379211	0.33467102
0.	0.26463318	0.93379211	0.29182434	-0.77606201
-0.77606201	-0.77606201	-0.11962891	0.	0.
-0.77606201	-0.77606201	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.42634583	0.41696167	0.43156106	1.00000000	0.41473389
0.40058777	0.43336487	0.44602966	-0.51145935	-0.43894958
-0.44609705	-0.44337463	-0.55641174	-0.51603699	-0.49021912
-0.55242102	0.79644775	0.79644775	0.82196045	0.82196045
0.75313782	0.	0.	0.	-0.52670288
-0.48851013	-0.49317932	-0.49317932	-0.49317932	-0.49317932
-0.49317932	-0.51881409	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.44607434	0.70724487	0.64407349	0.00997925	0.70188904
0.49244630	0.49707031	0.50013733	0.	-0.59863445
-0.38571167	-0.58683880	-0.64570728	-0.51560974	-0.52359009
-0.74600220	0.03845215	0.71124268	0.46382141	0.45007324
0.71124268	0.71124268	0.46382141	0.45007324	-0.44017029
-0.41934224	-0.42158508	-0.71888733	-0.71888733	-0.44017029
-0.41934224	-0.42158508	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.69331360	0.48292542	0.49534607	0.44215393	0.47727966
0.45138550	0.46984863	0.48771667	-0.59344482	-0.45909119
-0.62269592	-0.56430054	-0.09574890	-0.40496826	-0.60961914
-0.65008545	0.74266052	0.66954041	0.61871338	0.60765076
0.74266052	0.61871338	0.	0.	-0.50730896
-0.49568176	-0.43045044	-0.56071472	-0.57234192	-0.43045044
-0.50730896	-0.49568176	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.50004578	0.49243164	0.46974182	0.49780273	0.60090637
0.43420410	0.47483826	0.52999878	-0.51954651	-0.49511719
-0.44900513	-0.52664185	-0.57966614	-0.52882385	-0.38587952
-0.51527405	0.55525208	0.56640625	0.59159851	0.57347107
0.55525208	0.56640625	0.59159851	0.	-0.50308228
-0.50308228	-0.46868896	-0.49400330	-0.54232788	-0.51701355
-0.50308228	-0.46868896	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.34790039	0.44416809	0.34143066	0.34461975	0.62719727
1.00000000	0.34036255	0.55427551	-0.46447754	-0.51635742
-0.50315857	-0.50080872	-0.50643921	-0.51451111	-0.46138000
-0.53283691	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.68225098
-0.64419556	0.	-0.68225098	-0.64419556	-0.68225098
0.	-0.66482544	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.42089844	0.19491577	0.34785461	0.34053040	1.00000000
1.00000000	0.34785461	0.34793091	-0.66256714	-0.60348511
-0.66888428	0.	-0.66036987	-0.66870117	-0.50773621
-0.22821045	0.91011047	0.30317688	0.	0.69331360
0.91011047	0.31674194	0.	0.86650085	-0.06838989
-0.15562439	-0.07728577	0.90533447	-0.07728577	-0.90533447
-0.90533447	-0.90533447	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.69999695	0.32666016	0.36184692	0.33563232	0.49617004
0.42280579	0.98789978	0.36894226	-0.50840759	-0.00598145
-0.63687561	-0.61341858	-0.60127258	-0.61512756	-0.60392761
-0.39495850	0.66159058	0.55839539	0.73713196	0.73213196
0.64482117	0.65130615	0.00976563	0.00976563	-0.47451782
-0.47772217	-0.47772217	-0.46487427	-0.57839966	-0.57110596
-0.47772217	-0.47772217	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.39141846	0.43334961	0.99812317	0.46820068	0.43556213
0.46234131	0.38433838	0.42662048	-0.62550354	-0.56842041
-0.56858826	0.	-0.46459961	-0.56282043	-0.61764526
-0.59239197	0.	0.07952881	0.62800598	0.70018005
0.72708130	0.62800598	0.61915588	0.61799622	-0.44204712
-0.52397156	-0.52397156	-0.47483826	-0.49279785	-0.52397156
-0.52557373	-0.49279785	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.12216187	0.23931885	0.26591492	1.00000000	1.00000000
0.15666199	0.21589661	1.00000000	-0.79014587	-0.85847473
-0.80152893	-0.25537109	0.	-0.79591370	-0.49851990
0.	0.45564270	0.48564148	0.48490906	0.89865112
0.89865112	0.41911316	0.	0.35736084	-0.06632996
-0.47862244	-0.17030334	-0.81822205	-0.77502441	-0.14077759
-0.77502441	-0.77568054	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

1.00000000	0.20140076	0.21939087	0.22843933	1.00000000
0.23500061	0.89985657	0.21589661	-0.89099121	-0.21684265
-0.89570618	0.	-0.05464172	-0.90599060	-0.13354492
-0.90225220	0.	0.	0.99542236	0.99542236
0.01228333	0.00598145	0.99542236	0.99542236	-0.18511963
-0.77522278	0.	-0.74618530	-0.77201843	-0.74618530
-0.77522278	0.	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49591064	0.49496460	0.50529480	0.51237488	0.50144958
0.49845886	0.49841309	0.49357605	-0.50984192	-0.49949646
-0.49510193	-0.51829529	-0.50646973	-0.44956970	-0.51062012
-0.51107788	0.44557190	0.44557190	0.45069885	0.56948853
0.49880981	0.56948853	0.56948853	0.45069885	-0.51136780
-0.51136780	-0.50627136	-0.50627136	-0.43554688	-0.51136780
-0.50627136	-0.51136780	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.53688049	0.41259766	0.48286438	0.54896545	0.48971558
0.43533325	0.63305664	0.46055603	-0.51477051	-0.53416443
-0.52619934	-0.51370239	-0.41378784	-0.49182129	-0.50169373
-0.50379944	0.75979614	0.42240906	0.40872192	0.47755432
0.75831604	0.40156555	0.77160645	0.	-0.61492920
-0.61369324	-0.61492920	-0.22370911	-0.59733582	-0.61492920
-0.54638672	-0.17404175	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.53240596	0.45263672	0.44818115	0.44012451	0.43266296
0.56570435	0.42224121	0.70591736	-0.36796570	-0.54162598
-0.54162598	-0.45307922	-0.45177746	-0.55357361	-0.55865479
-0.54162598	0.79998779	0.	0.79998779	0.79998779
0.	0.79998779	0.	0.79998779	-0.68310547
-0.68310547	-0.68310547	0.	-0.68310547	-0.42251587
-0.42251587	-0.42251587	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.76621082	1.00000000	1.00000000	0.13177490	0.26562500
0.11085510	0.06222534	0.66027832	-0.68185425	-0.48959351
-0.68890381	-0.67411804	-0.69665527	-0.42207336	-0.26684570
-0.07991028	1.00000000	0.	0.	1.00000000
1.00000000	0.	0.	1.00000000	-0.37715149
-0.65177917	-0.65177917	0.	-0.37715149	-0.65177917
-0.65177917	-0.63858032	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.43759155	0.80906677	0.45899963	1.00000000	0.43428040
0.48350525	0.31617737	0.06[illegible]34951	-0.72001648	-0.74353027
-0.72102356	-0.70080506	-0.01118469	-0.01118469	-0.74270630
-0.34951782	0.	0.84346008	0.07553101	0.96014404
0.96014404	0.20053101	0.96014404	0.	-0.69059753
-0.09184265	-0.51222229	-0.70530701	-0.69059753	-0.09184265
-0.51222229	-0.70530701	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.60267476	0.34330750	1.00000000	0.35795593	0.59014893
0.34387207	0.34330750	0.41848755	-0.65229797	-0.01022339
-0.65229797	-0.65022278	-0.65219116	-0.36148071	-0.49563599
-0.52563477	0.68215942	0.84736633	0.	0.
0.68218994	0.84736633	0.09350586	0.84736633	-0.63818359
-0.63822937	-0.04341125	-0.63822937	-0.63822937	-0.12722778
-0.63822937	-0.63822937	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.57408142	0.38677979	0.39099121	.42958069	0.38554382
0.44874573	1.00000000	0.38423157	-0.51992798	-0.52639771
-0.44110107	-0.46208191	-0.46861267	-0.53985596	-0.50108337
-0.54087830	0.	0.67765808	0.[illegible]952251	0.65882874
0.67765808	0.65882874	0.67765808	0.	-0.52671814
-0.50349426	-0.47740173	-0.47509766	-0.51704407	-0.52671814
-0.49609375	-0.47740173	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.34913635	1.00000000	0.33897400	0.35858154	0.39852905
0.49884033	0.70932007	0.34658813	-0.57031250	-0.57539368
-0.58058167	-0.58058167	-0.54084778	0.	-0.57138062
-0.58085632	0.55958557	0.55836487	0.56895447	0.57260132
0.58514404	0.57260132	0.58270264	0.	-0.50021362
-0.48608398	-0.48895264	-0.48895264	-0.51704407	-0.48608398
-0.51559448	-0.51704407	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48156738	0.52226257	0.48623657	0.48667908	0.63352966
0.38471985	0.49052429	0.51445007	-0.54945374	-0.55920410
-0.54592896	-0.62242126	-0.57290649	0.	-0.56431580
-0.58572388	0.60151672	0.60151672	0.55459595	0.54025269
0.60342407	0.55648804	0.54216003	0.	-0.46977234
-0.46977234	-0.52604675	-0.47026062	-0.46977234	-0.52604675
-0.52604675	-0.54222107	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

1.00000000	0.19642639	0.32411194	0.51866150	0.24641418
0.47216797	0.77510071	0.46708679	-0.67689514	-0.67840576
-0.71629333	-0.05937195	-0.70732117	-0.37422180	-0.73278809
-0.05465698	0.99227905	0.01026917	0.01026917	0.99227905
0.99227905	0.01026917	0.	0.99227905	-0.84368896
-0.78907776	-0.78907776	0.	0.	-0.78907776
-0.78907776	0.	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

1.00000000	0.30407715	0.39567566	0.29603577	0.99937439
0.31921387	0.36557007	0.32003784	-0.53746033	-0.34466553
-0.47192383	-0.50906372	-0.53277588	-0.5296[illegible]834	-0.57556152
-0.49884033	0.58290100	0.58290100	0.58653259	0.59037781
0.58586121	0.53569031	0.53569031	0.	-0.49838257
-0.49838257	-0.50407410	-0.49986267	-0.49838257	-0.49838257
-0.50407410	-0.49838257	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.42291260	0.44473267	0.51100159	1.00000000	0.36555481
0.41676331	0.42672729	0.41227722	-0.66592407	-0.54971313
-0.65965271	0.	-0.59458423	-0.29522705	-0.66194153
-0.57295449	0.	0.	0.66990662	0.73434448
0.66052246	0.61206055	0.62734375	0.69377136	0.
-0.60369873	-0.58612061	-0.52047729	-0.59692383	-0.58612061
-0.58612061	-0.52047729	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.49015808	0.14897156	1.00000000	1.00000000	0.26560974
0.32525635	0.42301941	0.34696960	-0.69584656	-0.65626526
-0.65475464	-0.65499878	-0.64732361	0.	-0.69079590
0.	0.04006958	0.04006958	0.63790894	0.63790894
0.68441772	0.64256287	0.63595581	0.68106079	-0.48301697
-0.50477600	-0.49189758	-0.48301697	-0.50955200	-0.50955200
-0.51365662	-0.50448608	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.35308838	0.31886292	0.99302673	0.33702087	0.24913025
0.99237061	0.35006714	0.40638733	-0.59690857	-0.51376343
-0.54029846	-0.48171997	-0.30564880	-0.52294922	-0.53822327
-0.50045776	0.00924683	0.06742859	0.77525330	0.77525330
0.80644226	0.49864197	0.51449585	0.55320740	-0.51101685
-0.51101685	-0.51101685	-0.47526550	-0.51101685	-0.51101685
-0.51101685	-0.45855713	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46965027	0.44332886	0.46823120	0.45841980	1.00000000
0.36054993	0.39891052	0.40087891	-0.53422546	-0.47450256
-0.53025818	-0.53234863	-0.50244141	-0.51757813	-0.52793884
-0.38066101	0.	0.65693665	0.67086792	0.68327332
0.64868164	0.65693665	0.68327332	0.	-0.49404907
-0.56161499	-0.48818970	-0.47071838	-0.48818970	-0.51820374
-0.50825500	-0.47071838	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.42849731	0.59880066	0.32723999	0.60559082	0.71583557
0.43865967	0.48789978	0.39734568	0.	-0.93736267
-0.38954163	-0.99740601	0.	-0.75169373	-0.92013550
-0.00382996	0.	0.66793823	0.66178894	0.66793823
0.69885254	0.69184875	0.61160278	0.	-0.45167542
-0.48999023	-0.48999023	-0.55325317	-0.48181152	-0.48999023
-0.48999023	-0.55325317	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.49804688	0.50137329	0.51274109	0.42396545	0.52931213
0.52745056	0.52514648	0.48191833	-0.56495667	-0.51756287
-0.22059631	-0.56124878	-0.56651306	-0.56068420	-0.50933838
-0.49905396	0.	0.03930664	0.03930664	0.82955933
0.71482849	0.82955933	0.82955933	0.71781921	-0.46896362
-0.44755554	-0.62519836	-0.60726929	-0.46896362	-0.44755554
-0.44755554	-0.48689270	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.54261780	1.00000000	0.41102600	0.	1.00000000
0.04634094	1.00000000	0.	-0.58889771	-0.56762695
-0.55604553	-0.00805664	-0.54331970	-0.62037659	-0.56315613
-0.55247498	0.03898621	0.63652039	0.63652039	0.57136536
0.74002075	0.63652039	0.74002075	0.	-0.32171631
-0.51850891	-0.64125061	-0.51850891	-0.51850891	-0.51850891
-0.64125061	-0.32171631	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.51876831	0.00340271	0.00340271	1.00000000	0.47099304
1.00000000	1.00000000	0.00340271	-0.71900940	0.
0.	-0.69186401	-0.44320679	-0.70208740	-0.72189331
-0.72189331	0.32998657	0.50445557	0.82818604	0.35095215
0.32998657	0.82818604	0.82818604	0.	-0.11820984
-0.71878052	-0.73593140	-0.11820984	-0.11820984	-0.71878052
-0.73593140	-0.73593140	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.23963328	0.39764404	1.00000000	0.26454163	0.35714722
0.34800720	1.00000000	0.39299011	-0.47283936	-0.55107117
-0.47567749	-0.47796631	-0.55104065	-0.52328491	-0.49102783
-0.45704651	0.	0.	0.80041504	0.80041504
0.79829407	0.80041504	0.80041504	0.	-0.45610046
-0.45610046	-0.55767822	-0.53009033	-0.45610046	-0.45610046
-0.55767822	-0.53009033	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51008606	0.47454834	0.47802734	0.54125977	0.51091003
0.49075317	0.47734070	0.51704407	-0.00073242	-0.55122375
-0.60131836	-0.54801941	-0.59112549	-0.55764771	-0.60231018
-0.54757690	0.08181763	0.08181763	0.01927185	0.75518799
0.62446594	0.77223206	0.82615662	0.83901978	-0.51676941
-0.46110535	-0.46110535	-0.56101990	-0.69587708	-0.46110535
-0.46110535	-0.38185120	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43177795	0.60536194	0.57865906	0.47161865	0.43177795
0.43463135	0.61012268	0.43576050	-0.41558838	-0.53282166
-0.53260803	-0.43818665	-0.49450684	-0.53184509	0.52046204
-0.53364563	0.	0.72351074	0.73425293	0.70326233
0.67732239	0.61470032	0.54692078	0.	-0.52293396
-0.52293396	-0.51754761	-0.43925476	-0.51754761	-0.46588135
-0.49093628	-0.52293396	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.25126648	0.23014832	0.39745178	0.30165100	0.31022644
0.42785645	0.89259338	0.58877563	-0.49485779	-0.40211487
-0.50859070	-0.56158447	-0.54220581	-0.52803040	-0.55189514
-0.41067505	0.	0.58111572	0.58612061	0.58538818
0.55865479	0.55479919	0.56481934	0.56407166	-0.49446106
-0.49446106	-0.48834229	-0.48927307	-0.52268982	-0.52178955
-0.49446106	-0.49446106	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48057556	0.48245239	0.54321289	0.54071045	0.49324036
0.46511941	0.54071045	0.45391846	-0.45730591	-0.45182800
-0.53266743	-0.52989197	-0.60461426	-0.45828247	-0.47106934
-0.49389648	0.73179626	0.21830750	0.25299072	0.29972839
0.76222229	0.76649475	0.71543884	0.25299072	-0.80056763
-0.36851501	-0.36851501	-0.41954041	-0.88201904	-0.36851501
-0.41954041	-0.37274170	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.15171814	0.15171814	0.15171814	0.51573181	0.72344971
1.00000000	1.00000000	0.30563354	-0.55850220	-0.70404053
-0.70249939	0.	-0.59187317	-0.70404053	-0.05888367
-0.68009949	0.89416504	0.65472412	0.	0.89416504
0.66276550	0.	0.	0.89416504	0.
-0.75532532	-0.75532532	0.	-0.75532532	-0.75532532
-0.75532532	-0.22337341	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.43241882	0.86206055	0.46701050	0.48886108	0.43112183
0.44094849	0.44667053	0.43087769	-0.53373718	-0.53240967
-0.52983093	-0.36047363	-0.52949524	-0.53294373	-0.52566528
-0.45541382	1.00000000	0.12059021	1.00000000	0.19995117
0.35888672	0.19995117	0.12059021	1.00000000	-0.53108215
-0.61589050	-0.54507446	0.	-0.53108215	-0.61589050
-0.54507446	-0.61589050	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52536011	0.44697571	0.49285889	0.47044373	0.48910522
0.53555298	0.49778748	0.54187012	-0.47656250	-0.47990417
-0.49218750	-0.50555420	-0.55325317	-0.49238586	-0.52352905
-0.47656250	0.50146484	0.41795349	0.65270996	0.56918335
0.35226440	0.43574524	0.56918335	0.50146484	-0.72540283
-0.42485046	-0.42485046	-0.50842285	-0.42485046	0.64184570
-0.42485046	-0.42485046	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.45912170	0.46130371	1.00000000	0.39181519	0.39314270
0.39204407	0.51400757	0.38853455	-0.14526367	-0.59297180
-0.44183350	-0.59370422	-0.59414673	-0.58383179	-0.45730591
-0.59089661	0.	0.57255554	0.64302063	0.58979797
0.51707458	0.49244690	0.61990356	0.56515503	0.
-0.60171509	-0.60098267	-0.60171509	-0.60171509	-0.46759033
-0.[illegible]	-0.60098267	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.39910889	0.37600708	0.45942688	0.42704773
0.46163940	0.41421509	0.46252441	-0.60661316	-0.53858948
-0.59606934	-0.34616089	-0.38722229	-0.56585693	-0.50103760
-0.45840454	0.56753540	0.51710510	0.51710510	0.65679932
0.5675[illegible]540	0.51710510	0.65679932	0.	-0.52589417
-0.5168[illegible]04	-0.37370300	-0.52589417	-0.52589417	-0.52589417
-0.4799[illegible]95	-0.52589417	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.43562317	0.41836548	0.40153503	0.43562317	0.41174316
1.00000000	0.43562317	0.46145630	-0.58503723	0.
-0.59179688	-0.61804199	-0.36581421	-0.59443665	-0.61912537
-0.62571716	0.57775879	0.56089783	0.56399536	0.58087158
0.57775879	0.57775879	0.56089783	0.	-0.49290466
-0.51304626	-0.50933838	-0.49290466	-0.49290466	-0.49290466
-0.49290466	-0.51304626	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.12072754	0.87864685	0.92489624	0.11453247	0.12088013
0.89649963	0.14190674	0.80186462	-0.64115906	-0.64115906
-0.63676453	0.	-0.61795044	-0.54945374	-0.29072571
-0.62277222	0.03707886	0.63615417	0.04768372	0.90855408
0.56027222	0.57566833	0.57566833	0.65888977	-0.56608582
-0.55229187	-0.55229187	-0.56608582	-0.56608582	-0.56608582
-0.55229187	-0.07873535	0.	0	0.

COMPONENT 64. 1 G-WEIGHTS

0.42758179	0.38166809	0.35241699	0.35241699	1.00000000
0.36291504	0.46144104	0.66152954	-0.63352966	-0.70179749
-0.70179749	-0.65849304	0.	-0.66436768	-0.63999939
0.	0.79998779	0.	0.79998779	0.79998779
0.	0.	0.79998779	0.79998779	-0.66226196
0.	-0.66885376	-0.66885376	-0.66226196	0.
-0.66885376	-0.66885376	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.01713562	1.00000000	0.29621887	1.00000000	0.30297607
0.	0.32365417	1.00000000	-0.13076782	0.
-0.62806702	-0.75938416	0.72930908	-0.21504211	-0.80839539
-0.72900391	0.	0.	0.67346191	0.67346191
0.68609619	0.65231323	0.67346191	0.64117432	-0.50669861
-0.42698669	-0.51972961	-0.50669861	-0.50669861	-0.51972961
-0.50669861	-0.50669861	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	1.00000000	1.00000000	0.	0.
1.00000000	0.	0.	-0.50753784	-0.56486511
-0.55628967	0.56953430	-0.55537415	-0.57623291	-0.10366821
-0.56645203	0.	0.90779114	0.71942139	0.74557495
0.	0.	0.90779114	0.71942139	-0.78158569
-0.12390137	0.	-0.78158569	-0.78158569	0.
-0.78158569	-0.74975586	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.17375183	0.00910950	0.12348938	0.49281311	1.00000000
1.00000000	0.2053 27	0.99508667	-0.55586243	-0.60540771
-0.57405090	-0.55302429	0.	-0.52388000	-0.59138489
-0.59634399	0.03833008	0. 0642090	0.70642090	0.70642090
0.72348022	0.71591187	0.18135071	0.22163391	-0.50224304
-0.50224304	-0.49731445	-0.50224304	-0.50224304	-0.49037170
-0.49578857	-0.50750732	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49923706	0.55229187	0.50288391	0.49093628	0.48864746
0.49101257	0.48907471	0.48631287	-0.48941040	-0.49937439
-0.49449158	-0.51083374	-0.50028992	-0.50572205	-0.48869324
-0.51158142	1.00000000	0.	0.	1.00000000
0.	0.	1.00000000	1.00000000	-0.69424438
-0.64389038	-0.68704224	0.	-0.64389038	-0.63667297
-0.69424438	0.	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.33686829	1.00000000	0.22705078	0.19296265	0.99737549
0.28913983	0.53414917	0.42234807	-0.64758301	-0.67721558
-0.69252014	-0.00547791	0.	-0.66256714	-0.67361450
-0.64099121	0.06423950	0.06423950	0.75129700	0.80877686
0.75129700	0.75129700	0.80877686	0.	-0.51089478
-0.53347778	-0.50025940	-0.45002747	-0.51089478	-0.53347778
-0.45002747	-0.51089478	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.37599182	0.39544678	0.36505127	1.00000000	0.35899353
0.36741638	0.76260376	0.37370300	-0.77642822	-0.69372559
-0.15940857	-0.77291870	-0.76728821	-0.77911377	0.
-0.05107117	0.91752625	0.52148438	0.	0.55662537
0.91752625	0.53018188	0.	0.55662537	-0.00337219
0.	-0.63829041	-0.68000793	-0.68000793	-0.68000793
-0.63829041	-0.68000793	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53840637	0.53179932	0.49191284	0.50077820	0.50970459
0.52146912	0.42916870	0.47671509	-0.45765686	-0.53802490
-0.48503113	-0.47296143	-0.54302979	-0.48635864	-0.48793030
-0.52897644	0.60983276	0.29621887	0.28531482	0.31179810
0.64840698	0.62489319	0.63278198	0.58772278	-0.74914551
-0.39051819	-0.43554688	-0.41398621	-0.74914551	-0.39051819
-0.43554688	-0.43554688	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.50329590	0.49613953	0.58485413	0.48686218	0.44290161
0.41860962	0.58328247	0.48353577	-0.01065063	-0.66142273
-0.68400574	-0.66824341	-0.62985229	-0.67478943	-0.66860962
-0.00187683	0.05725098	0.61647034	0.59107971	0.53163147
0.55706787	0.56576538	0.54034424	0.54034424	-0.02600098
0.	-0.63758850	-0.70733643	-0.63758850	-0.66381836
-0.66381836	-0.66381836	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.05268860	1.00000000	1.00000000
0.	1.00000000	1.00000000	1.00000000	0.98477173
0.	0.	0.98477173	0.73815918	0.98477173
1.00000000	1.00000000	1.00000000	1.00000000	0.
1.00000000	0.	0.	0.	0.
0.	0.98478699	0.	1.00000000	1.00000000
0.04840088	0.98478699	0.	1.00000000	1.00000000
0.	0.	0.98477173	0.98477173	0.
0.	1.00000000	0.98478699	0.	0.
0.	0.27635193	0.98478699	0.	0.98478699
0.98478699	0.	1.00000000	1.00000000	0.00830078
0.	0.	0.98478699	0.	0.98477173
0.07392883	0.	0.	0.	-0.26977539
-0.57940674	-0.81057739	-0.82655334	-0.10295105	-0.69952393
-0.62879944	-0.19618225	-0.17968750	-0.87480164	-0.13984680
-0.89854431	-0.71749878	-0.74148560	-0.68229675	-0.83609009
-0.30242920	-0.10295105	-0.85858154	-0.86817932	-0.82543945
-0.27192688	-0.89831543	-0.49429321	-0.89717102	-0.17968750
-0.56282043	-0.67443848	-0.39128113	-0.03804016	-0.03804016
-0.06680298	-0.85784912	-0.78327942	-0.68432617	-0.74328613
-0.13984680	-0.78291321	-0.18591309	-0.75994873	-0.81416321
-0.75418091	-0.86734009	-0.13984680	-0.66444397	-0.17968750
-0.54246521	-0.09542847	-0.80764771	0.	-0.88832092
-0.83801270	-0.47172546	-0.06680298	-0.13984680	0.
0.	0.	-0.06680298	-0.85003662	-0.83389282
-0.38729858	0.	0.	0.	0.

```
COMPONENT   2. 2  G-WEIGHTS

     0.50000000          -0.50000000          0.                   0.                   0.87414551
     0.                   0.06727600          0.                   0.09246826           0.
     0.22171021           0.86553955          0.32286072           0.68511963           0.94960022
     0.17837524           0.78961182          0.80763245           0.                   0.29347229
     0.92707825           0.68899536          0.82321167           0.61958313           0.92720032
     0.88963318           0.00373840          0.93685913           0.81604004           0.18447876
     0.84068298           0.99171448          0.99171448           0.94960022           0.
     0.99171448           0.88435364          0.90116882           0.73435974           0.
     0.72251892           0.                  0.99171448           0.10121155           0.
     0.94960022           0.88233948          0.94960022           0.                   0.
     0.                   0.77430725          0.                   0.                   0.92605591
     0.                   0.                  0.79702759           0.                   0.94960022
     0.82455970           0.88963318          0.                   0.99171448          -0.98669434
    -0.98669434          -0.98669434         -0.13237000          -0.98669434          -0.86651611
    -0.98669434          -0.16589355          0.                  -0.98669434          -0.75231934
    -0.12268066          -0.14279175         -0.98669434          -0.60256958          -0.04188538
     0.                  -0.98669434         -0.78126526          -0.98669434          -0.08357239
    -0.31314087          -0.18260193         -0.09210205          -0.18026733          -0.11976624
    -0.11976624          -0.04188538         -0.08357239          -0.76239014          -0.98669434
    -0.98669434          -0.22961426          0.                  -0.98669434          -0.98669434
     0.                  -0.08357239         -0.88722229          -0.98669434          -0.10655212
    -0.26828003          -0.98669434         -0.30438232          -0.98669434          -0.04188538
    -0.98669434          -0.87220764         -0.04188538          -0.12673950           0.
    -0.98669434           0.                 -0.22320557          -0.98669434          -0.98669434
    -0.29974365          -0.79817200         -0.23495483          -0.91075134          -0.16589355
    -0.08357239           0.                  0.                   0.                   0.
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41696277
   ** CONTROL=00C000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.24645711
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.07595146
   ** CONTROL=00C000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.66120429
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.45383072
   ** CONTROL=00C000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.55751750
   ** CONTROL=000000000007
     6 BIAS CHANGES

     LEVEL   1    MS =     0.20000000    BIAS =    -1.55751750

    COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
     1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
     6. 1     0.           7. 1     0.6676227    8. 1     0.           9. 1     0.          10. 1     0.
    11. 1     0.6377629   12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
    16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.4415702
    21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
    26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.5245295
    31. 1     0.1447588   32. 1     0.5163075   33. 1     0.          34. 1     0.          35. 1     0.
    36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
    41. 1     0.          42. 1     0.          43. 1     0.6077043   44. 1     0.          45. 1     0.
    46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.3859618   50. 1     0.
    51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.4422750   55. 1     0.
    56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
    61. 1     0.5307392   62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
    66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
    71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.28761274
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.57522550
   ** CONTROL=000000000003
     2 BIAS CHANGES

     LEVEL   2    MS =     0.01000000    BIAS =    -0.57522550

    COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
     1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 151    INPUT V1        INDENTIFICATION CORRECT
MINPS=000000000012      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.29577608
   ** CONTROL=00C000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.77266730
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.24955852
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01111291
   ** CONTROL=00C000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.13033572
   ** CONTROL=00C000000007
     5 BIAS CHANGES
```

```
        LEVEL   1     MS =      0.20000000     BIAS =     -1.13033572

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
        16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.5863173    20. 1      0.
        21. 1      0.           22. 1      0.7650933    23. 1      0.           24. 1      0.           25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.
        31. 1      0.           32. 1      0.7711590    33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.1435201    37. 1      0.           38. 1      0.8007000    39. 1      0.           40. 1      0.
        41. 1      0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.
        51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.2043776    58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.           62. 1      0.           63. 1      0.0082003    64. 1      0.98379+9    65. 1      0.
        66. 1      0.           67. 1      0.           68. 1      0.8694669    69. 1      0.           70. 1      0.
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -3.49999988
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.49999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -2.99999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -3.24999988
   **   CONTROL=000000000005
          6 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -3.24999988

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.9262194     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.92622
SUM NO.   2 IS     0.

*** 152    INPUT H2          INDENTIFICATION CORRECT
MINPS=000000000011       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.40991203
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.11827530
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.82663856
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.47245693
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.47245693

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.            9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
        16. 1      0.6283976    17. 1      0.           18. 1      0.           19. 1      0.0320750    20. 1      0.
        21. 1      0.           22. 1      0.           23. 1      0.6515739    24. 1      0.5057388    25. 1      0.
        26. 1      0.           27. 1      0.           28. 1      0.           29. 1      0.6192418    30. 1      0.
        31. 1      0.           32. 1      0.           33. 1      0.           34. 1      0.           35. 1      0.
        36. 1      0.           37. 1      0.           38. 1      0.           39. 1      0.           40. 1      0.
        41. 1      0.5273290    42. 1      0.5178209    43. 1      0.           44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.6310185    48. 1      0.5222096    49. 1      0.           50. 1      0.
        51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.0237344    58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.           62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1      0.           67. 1      0.           68. 1      0.           69. 1      0.           70. 1      0.
        71. 1      0.           72. 1      0.4844300     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.33149064
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.66298129
   **   CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.66298129

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.            2. 2      1.0000000     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.00000

*** 153    INPUT V2          INDENTIFICATION CORRECT
MINPS=000000000010       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.35169713
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.73913535
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.12657358
   **   CONTROL=000000000003
          3 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -1.12657358

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
  6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.3232757
 11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
 16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
 21. 1     1.0703862   22. 1     0.4686609   23. 1     0.          24. 1     0.          25. 1     0.
 26. 1     0.          27. 1     0.          28. 1     0.7627225   29. 1     0.          30. 1     0.
 31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
 36. 1     0.          37. 1     0.          38. 1     0.1958117   39. 1     0.          40. 1     0.
 41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
 46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
 51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
 56. 1     0.          57. 1     0.9926170   58. 1     0.4058452   59. 1     0.          60. 1     0.
 61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
 66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.3438192
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
   **  CONTROL=000000000005
      6 BIAS CHANGES
LEVEL   2    MS =     0.01000000    BIAS =    -2.74999991

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.9217680    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.92177
SUM NO.   2 IS    0.

*** 154    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.51043223
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.05450608
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.59857993
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.32654300
   **  CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.32654300

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.           2. 1     0.           3. 1     0.2103520    4. 1     0.6717322    5. 1     0.
  6. 1     0.5310434    7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.8093910
 11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
 16. 1     0.          17. 1     0.          18. 1     0.6462806   19. 1     0.          20. 1     0.
 21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
 26. 1     0.          27. 1     0.          28. 1     0.1568836   29. 1     0.          30. 1     0.
 31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
 36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.8024992
 41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
 46. 1     0.0404899   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
 51. 1     0.          52. 1     0.          53. 1     0.5816856   54. 1     0.          55. 1     0.
 56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.7051099
 61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
 66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.26912341
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.53824683
   **  CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.53824683

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.0922494    2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.09225
SUM NO.   2 IS    1.00000

*** 155    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.24191338
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.47136828
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.70082319
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.93027809
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.81555064
   **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.75818692
   **  CONTROL=000000000007
      6 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -0.75818692

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
  6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.8152718   10. 1     0.4010200
 11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
 16. 1     0.          17. 1     0.6376022   18. 1     0.          19. 1     0.          20. 1     0.
 21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
 26. 1     0.          27. 1     0.          28. 1     0.4782539   29. 1     0.          30. 1     0.
 31. 1     0.3803018   32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
 36. 1     0.          37. 1     1.0090204   38. 1     0.          39. 1     0.          40. 1     0.
 41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
 46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
 51. 1     0.5084932   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
 56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
 61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
 66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.7296652
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.499   988
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   **   CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
   **   CONTROL=000000000005
        6 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -2.74999991

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.9370617    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.93706
SUM NO.   2 IS    0.

*** 156    INPUT H4        INCENTIFICATION CORRECT
MINPS=000000000005      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43969879
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25950907
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.07931936
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.66941422
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.46446165
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.56693794
   **   CONTROL=000000000007
        6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.56693794

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.           2. 1     0.           3. 1     0.3727427    4. 1     0.           5. 1     0.
  6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
 11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.6051063
 16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
 21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
 26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
 31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
 36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
 41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.6403308
 46. 1     0.4977138   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
 51. 1     0.6522671   52. 1     0.6181287   53. 1     0.          54. 1     0.          55. 1     0.
 56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
 61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
 66. 1     0.          67. 1     0.5803002   68. 1     0.          69. 1     0.6189430   70. 1     0.
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -63.01800108
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -31.75900054
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -16.12950015
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -8.31475008
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -4.40737504
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.45368755
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.47684379
   **   CONTROL=000000000007
        8 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -1.47684379

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.           2. 2     1.0152220    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.01522

*** 157    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.03517036
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.07376751
   **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -0.07376751

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.3841961     3. 1      0.2048388     4. 1      0.            5. 1      0.
         6. 1      0.5451633     7. 1      0.            8. 1      0.3294870     9. 1      0.1460652    10. 1      0.2192605
        11. 1      0.            12. 1      0.           13. 1      0.           14. 1      0.1267226    15. 1      0.
        16. 1      0.0934762     17. 1      0.1470944    18. 1      0.1223209    19. 1      0.           20. 1      0.2223547
        21. 1      0.            22. 1      0.           23. 1      0.           24. 1      0.2125937    25. 1      0.
        26. 1      0.            27. 1      0.           28. 1      0.           29. 1      0.1352692    30. 1      0.1929072
        31. 1      0.            32. 1      0.           33. 1      0.           34. 1      0.1747249    35. 1      0.
        36. 1      0.            37. 1      0.2445222    38. 1      0.           39. 1      0.           40. 1      0.
        41. 1      0.            42. 1      0.4448286    43. 1      0.0050249    44. 1      0.           45. 1      0.0350049
        46. 1      0.1600478     47. 1      0.           48. 1      0.           49. 1      0.0506343    50. 1      0.1113551
        51. 1      0.            52. 1      0.           53. 1      0.0071248    54. 1      0.           55. 1      0.
        56. 1      0.            57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.1933699     62. 1      0.           63. 1      0.           64. 1      0.           65. 1      0.
        66. 1      0.0110441     67. 1      0.2320744    68. 1      0.           69. 1      0.1673496    70. 1      0.
        71. 1      0.            72. 1      0.1815205     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.60431367
   **  CONTROL=000000000001
        1 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.60431367

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.7043834     2. 2      0.2956166     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.70438
SUM NO.   2 IS     0.29562

*** 158    INPUT M5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.42429507
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.01442984
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.60456461
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.30949722
   **  CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1     MS =      0.20000000     BIAS =     -1.30949722

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 1      0.            2. 1      0.9921574     3. 1      0.            4. 1      0.            5. 1      0.
         6. 1      0.            7. 1      0.            8. 1      0.2943376     9. 1      0.           10. 1      0.
        11. 1      0.           12. 1      0.           13. 1      0.           14. 1      0.           15. 1      0.
        16. 1      0.           17. 1      0.           18. 1      0.           19. 1      0.           20. 1      0.
        21. 1      0.           22. 1      0.           23. 1      0.           24. 1      0.           25. 1      0.
        26. 1      0.6903042    27. 1      0.           28. 1      0.           29. 1      0.           30. 1      0.
        31. 1      0.           32. 1      0.           33. 1      0.           34. 1      0.6903042    35. 1      0.
        36. 1      0.           37. 1      0.           38. 1      0.           39. 1      0.8130374    40. 1      0.
        41. 1      0.           42. 1      0.           43. 1      0.           44. 1      0.           45. 1      0.
        46. 1      0.           47. 1      0.           48. 1      0.           49. 1      0.           50. 1      0.8899299
        51. 1      0.           52. 1      0.           53. 1      0.           54. 1      0.           55. 1      0.
        56. 1      0.           57. 1      0.           58. 1      0.           59. 1      0.           60. 1      0.
        61. 1      0.           62. 1      0.           63. 1      0.4021277    64. 1      0.           65. 1      0.
        66. 1      0.           67. 1      0.6130744    68. 1      0.           69. 1      0.           70. 1      0.
        71. 1      0.           72. 1      0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.38750306
   **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.77500613
   **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2     MS =      0.01000000     BIAS =     -0.77500613

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
         1. 2      0.            2. 2      1.0000000     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.
SUM NO.   2 IS     1.00000

*** 159    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.16055848
   **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.44959947
   **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.73864047
   **  CONTROL=000000000003
        1 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -0.73864047

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
  6. 1     1.3412779    7. 1     0.           8. 1     1.2256433    9. 1     0.          10. 1     0.
 11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
 16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
 21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
 26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
 31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.0693702   35. 1     0.
 36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
 41. 1     0.          42. 1     1.0830273   43. 1     0.          44. 1     0.          45. 1     0.
 46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.0391547
 51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
 56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
 61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
 66. 1     0.9720591   67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
   ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
   ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
   ** CONTROL=000000000005
      6 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -2.74999991

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.9093270    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.90933
SUM NO.   2 IS    0.

*** 160    INPUT H6        INDENTIFICATION CORRECT
MINPS=000000000001      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.52788053
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.41767141
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.30746228
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.86256686
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.64011915
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.52889530
   ** CONTROL=000000000007
      6 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.52889530

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1     0.           2. 1     0.0907044    3. 1     0.           4. 1     0.           5. 1     0.
  6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
 11. 1     0.          12. 1     0.5786228   13. 1     0.          14. 1     0.4944763   15. 1     0.
 16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
 21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.4662506
 26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
 31. 1     0.3331707   32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
 36. 1     0.0763179   37. 1     0.2101104   38. 1     0.          39. 1     0.          40. 1     0.
 41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.5732528   45. 1     0.
 46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
 51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.5745179
 56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
 61. 1     0.          62. 1     0.5378307   63. 1     0.2547200   64. 1     0.          65. 1     0.7948012
 66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
 71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.20493919
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40987840
   ** CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.40987840

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 161    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.25849798
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.59076951
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92304105
   ** CONTROL=000000000003
      3 BIAS CHANGES
```

```
        LEVEL   1    MS =     0.20000000    BIAS =    -0.97364105

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     1.0767336
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     1.3167958    28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     1.0767336
        36. 1     1.1491671    37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.7370877    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999989
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    ** CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    ** CONTROL=000000000005
        5 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.99999991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.9071462    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.96155
SUM NO.   2 IS    0.

*** 162    INPUT M1        INDENTIFICATION CORRECT
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41796225
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.26669671
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.10341117
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.68234895
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.47136784
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.57670839
    ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.57670839

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.6427536     8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.6171114    12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.4223764
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.5047187
        31. 1     0.1240796    32. 1     0.5285653    33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.5868426    44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.3945521    50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.4230841    55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.5677025    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.20574267
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41148536
    ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -0.41148536

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 163    INPUT V1        INDENTIFICATION CORRECT
MINPS=000000000012      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.28767624
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.77366573
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.25946121
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01656348
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.13801233
    ** CONTROL=000000000007
        5 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -1.13801233

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.5546337    20. 1     0.
 21. 1     0.           22. 1     0.8264192    23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.7692312    33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.1188517    37. 1     0.           38. 1     0.8113308    39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.0740826    58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.9699645    65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.8617903    69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.24999988
    **  CONTROL=000000000005
      6 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -3.24999986

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0083257     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.00833
SUM NO.   2 IS    0.

*** 164    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41381544
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.12152757
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.82923970
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.47538364
    **  CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.47538364

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.6222629    17. 1     0.           18. 1     0.           19. 1     0.0400466    20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.6424601    24. 1     0.4903969    25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.6256919    30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.5243947    42. 1     0.5173287    43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.6234129    48. 1     0.5186601    49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.0782908    58. 1     0.           59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.4753881     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35552564
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.71105132
    **  CONTROL=000000000003
      2 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.71105132

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 165    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.33879003
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.74323183
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.14767364
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.94545273
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.04656318
    **  CONTROL=000000000007
      4 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -1.04656318

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.3472455
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.1198058    18. 1     0.           19. 1     0.           20. 1     0.
 21. 1     1.1758817    22. 1     0.5122575    23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.8954653    29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.2755023    39. 1     0.           40. 1     0.
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     1.1206030    58. 1     0.5013902    59. 1     0.           60. 1     0.
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.3217867
 71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.24999988
    **  CONTROL=000000000005
      6 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -3.24999988

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0647892     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.06479
SUM NO.   2 IS    0.

*** 166    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007        NCYCS=000000000014        INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.51476164
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06306215
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.61136265
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.33721240
    **  CONTROL 000000000007
      4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.33721240

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.            3. 1     0.2196126     4. 1     0.6625734     5. 1     0.
  6. 1     0.4355315     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.7965992
 11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.6396010    19. 1     0.           20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.1436273    29. 1     0.           30. 1     0.
 31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.7904939
 41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1     0.           53. 1     0.6612369    54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.6918305
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           63. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.           0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.31258647
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.62517296
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.46887971
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.54702634
    **  CONTROL=000000000007
      4 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =     0.54702634

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.0238788     2. 2     0.9218534     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.02388
SUM NO.   2 IS    0.92185

*** 167    INPUT V3        INDENTIFICATION CORRECT
MINPS=000000000006        NCYCS=000000000014        INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.25571045
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.48984289
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.72397533
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.95810777
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.84104155
    **  CONTROL=000000000007
      4 BIAS CHANGES
```

```
        LEVEL   1    MS =     0.20000000    BIAS =    -0.84104155

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.7515056    10. 1     0.3835488
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.6126565    18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.3748472    29. 1     0.           30. 1     0.
        31. 1     0.3487481    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.9782926    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
         6. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.4103123    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.7475968
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -10.83202887
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -6.16601443
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.83300722
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.66650358
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.08325177
   **   CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.37487769
   **   CONTROL=000000000007
          8 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.37487769

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0283359     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.02834
SUM NO.   2 IS    0.

*** 168    INPUT M4        INDENTIFICATION CORRECT
MINPS=000000000005       NCYCS=000000000014       INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43937092
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.26727656
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.09518218
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.68122938
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.47425298
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE,    BIAS =    -1.57774118
   **   CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.57774119

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.3445237     4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.6108483
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.6528948
        46. 1     0.5121135    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.6476127    52. 1     0.5979943    53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.5616786    68. 1     0.           69. 1     0.6201626    70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
   **   CONTROL=000000000001
          2 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -1.49999996

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0953748     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.09537

*** 169    INPUT M4        INDENTIFICATION CORRECT
MINPS=000000000014       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.07252610
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.15743725
   **   CONTROL=000000000003
          2 BIAS CHANGES
```

```
LEVEL   1    MS =     0.20000000    BIAS =    -0.15743725

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.5062178     3. 1     0.3051070     4. 1     0.            5. 1     0.
  6. 1     0.6151171     7. 1     0.            8. 1     0.3073009     9. 1     0.0666656    10. 1     0.2314444
 11. 1     0.            12. 1    0.            13. 1    0.            14. 1    0.1739103    15. 1     0.
 16. 1     0.0850720     17. 1    0.0704670     18. 1    0.1455632     19. 1    0.           20. 1     0.3093800
 21. 1     0.            22. 1    0.            23. 1    0.            24. 1    0.3537541    25. 1     0.
 26. 1     0.            27. 1    0.            28. 1    0.            29. 1    0.2040021    30. 1     0.2007659
 31. 1     0.            32. 1    0.            33. 1    0.            34. 1    0.1459437    35. 1     0.
 36. 1     0.            37. 1    0.2007182     38. 1    0.            39. 1    0.           40. 1     0.
 41. 1     0.            42. 1    0.4349584     43. 1    0.            44. 1    0.           45. 1     0.
 46. 1     0.1482016     47. 1    0.            48. 1    0.            49. 1    0.0260713    50. 1     0.0928203
 51. 1     0.            52. 1    0.            53. 1    0.            54. 1    0.           55. 1     0.
 56. 1     0.            57. 1    0.            58. 1    0.            59. 1    0.           60. 1     0.
 61. 1     0.1548368     62. 1    0.            63. 1    0.            64. 1    0.           65. 1     0.
 66. 1     0.            67. 1    0.2604824     68. 1    0.            69. 1    0.1402231    70. 1     0.
 71. 1     0.            72. 1    0.2283766     0. 0     0.            0. 0     0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.60813098
  ** CONTROL=000000000001
    1 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.60813098

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.447662      2. 2     0.5523377     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.44766
SUM NO.   2 IS    0.55234

*** 170    INPUT H5        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


  0 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    0.

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.1924909     3. 1     0.2042331     4. 1     0.            5. 1     0.
  6. 1     0.2112772     7. 1     0.            8. 1     0.2465463     9. 1     0.2208673    10. 1     0.2030482
 11. 1     0.            12. 1    0.            13. 1    0.            14. 1    0.1824474    15. 1     0.0703626
 16. 1     0.0976213     17. 1    0.2147599     18. 1    0.1320953     19. 1    0.           20. 1     0.1619657
 21. 1     0.            22. 1    0.            23. 1    0.            24. 1    0.1674355    25. 1     0.
 26. 1     0.            27. 1    0.            28. 1    0.            29. 1    0.1084833    30. 1     0.2391181
 31. 1     0.            32. 1    0.            33. 1    0.            34. 1    0.1622871    35. 1     0.
 36. 1     0.            37. 1    0.3166102     38. 1    0.            39. 1    0.           40. 1     0.
 41. 1     0.0420050     42. 1    0.1724838     43. 1    0.1155485     44. 1    0.0384558    45. 1     0.1530603
 46. 1     0.2073781     47. 1    0.            48. 1    0.            49. 1    0.1813977    50. 1     0.0910309
 51. 1     0.            52. 1    0.            53. 1    0.1537244     54. 1    0.           55. 1     0.
 56. 1     0.            57. 1    0.            58. 1    0.            59. 1    0.           60.       0.
 61. 1     0.2418887     62. 1    0.            63. 1    0.            64. 1    0.           65. 1     0.0751055
 66. 1     0.0187352     67. 1    0.2344304     68. 1    0.            69. 1    0.2057387    70. 1     0.1385936
 71. 1     0.            72. 1    0.1482628     0. 0     0.            0. 0     0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.17339331
  ** CONTROL=000000000001
    1 BIAS CHANGES

LEVEL   2    MS =     0.01000000    BIAS =    -0.17339331

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.7552636     2. 2     0.2447364     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.75526
SUM NO.   2 IS    0.24474

*** 171    INPUT H5        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.42543276
  ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.02228515
  ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.61913754
  ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.32071134
  ** CONTROL=000000000007
    4 BIAS CHANGES

LEVEL   1    MS =     0.20000000    BIAS =    -1.32071134

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.            2. 1     0.8908197     3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.            7. 1     0.            8. 1     0.2708066     9. 1     0.           10. 1     0.
 11. 1     0.            12. 1    0.            13. 1    0.            14. 1    0.           15. 1     0.
 16. 1     0.            17. 1    0.            18. 1    0.            19. 1    0.           20. 1     0.
 21. 1     0.            22. 1    0.            23. 1    0.            24. 1    0.           25. 1     0.
 26. 1     0.6790749     27. 1    0.            28. 1    0.            29. 1    0.           30. 1     0.
 31. 1     0.            32. 1    0.            33. 1    0.            34. 1    0.6790749    35. 1     0.
 36. 1     0.            37. 1    0.            38. 1    0.            39. 1    0.7982039    40. 1     0.
 41. 1     0.            42. 1    0.            43. 1    0.            44. 1    0.           45. 1     0.
 46. 1     0.            47. 1    0.            48. 1    0.            49. 1    0.           50. 1     0.8788367
 51. 1     0.            52. 1    0.            53. 1    0.            54. 1    0.           55. 1     0.
 56. 1     0.            57. 1    0.            58. 1    0.            59. 1    0.           60. 1     0.
 61. 1     0.            62. 1    0.            63. 1    0.4893758     64. 1    0.           65. 1     0.
 66. 1     0.            67. 1    0.549924      68. 1    0.            69. 1    0.           70. 1     0.
 71. 1     0.            72. 1    0.            0. 0     0.            0. 0     0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.30433726
  ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.60987455
  ** CONTROL=000000000003
    2 BIAS CHANGES
```

```
        LEVEL   2    MS =     0.01000000    BIAS =    -0.60987455

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 172    .NPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.15477008
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41377176
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.67277345
    **  CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -0.67277345

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     1.1426927     7. 1     0.            8. 1     1.3032601     9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.0682350    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     1.1006383    43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.0871635
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     1.0174268    67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    **  CONTROL=000000000005
          4 BIAS CHANGES

        LEVEL   2    MS =     0.01000000    BIAS =    -2.49999991

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0533595     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.05336
SUM NO.   2 IS    0.

*** 173    INPUT H6        INDENTIFICATION CORRECT
MINPS=000000000001       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.53083120
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42628643
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.32174164
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.87401405
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.65015025
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.53821836
    **  CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.20000000    BIAS =    -1.53821836

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.0474713     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.5586553    13. 1     0.           14. 1     0.4874775    15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.4599250
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.3155985    32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.0733943    37. 1     0.1900952    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.5566373    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.5618389
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.5250129    63. 1     0.2423052    64. 1     0.           65. 1     0.7668302
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.26626082
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.53252167
    **  CONTROL=000000000003
          2 BIAS CHANGES
```

```
      LEVEL   2    MS =     0.01000000    BIAS =    -0.53252167

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 174    INPUT VE        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001



END OF INPUT. SIMULATION COMPLETE.

   MAIN TEST IS DONE.

     AC            MQ          SENSE IND        KEYS          XR1            XR3     XR4      XR5      XR6      XR7
 0021000044522  002117001055  001202003074  000000000000   67074    77476   00000   71666    00000    00000    00000
                                                            -10704   -00302  -00000  -06117   -00000   -00000   -00000
          INDICATORS                                  SENSE LIGHTS          90 LOC          SENSE SWITCHES
Q-BIT P-BIT  TRAP   OCT   IOT   OFL          1     2     3     4      04525     1     2     3     4     5     6
 OFF   OFF   OFF   OFF   OFF   OFF          OFF   OFF   OFF   OFF            OFF   OFF   OFF   OFF   OFF   OFF
00000 -000000732212 000000000000 002100000210 000001405033 002100004522 000000000000 000000000000 000000000000
          -C0,B0  HTR   00000C  TTR   0A0028  HTR   001-Q.  TTR   0A06NB  HTR   000000  HTR   000000  HTR   000000
00010 002100000210 000000000000 000000000000 002100001055 000000000000 002100001055 000000000000 002100001055
      TTR   0A0028  HTR   000000  HTR   000000  TTR   0A008*  HTR   000000  TTR   0A008*  HTR   000000  TTR   0A008*
00020 000000000000 002100001055 000000000000 300024002171 000000000000 000000000025 000000000000 000000000027
      HTR   000000  TTR   0A008*  HTR   000000  TXH   H0D0AZ  HTR   000000  HTR   00000E  HTR   000000  HTR   000000
00030 000000000000 000000000031 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
      HTR   000000  HTR   000001  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000
                WORDS  00040  TO  00057  ALL CONTAIN  000000000000
                                                     HTR   000000
00040 000000000000 000000000000 000000000000 000000000001 205065005037 272746000000 000000000000 060065002025
      HTR   000000  HTR   000000  HTR   000000  HTR   000001  TIX   +0V00*  TIX   GG0000  HTR   000000  STZ * 60V0*E
00070 060065002025 001202003074 001202003074 000000000000 000000000000 376476077007 -052000000710 056460000735
      STZ * 60V0*E        0*20HE        0*20HE  HTR   000000  HTR   000000  TXH   *U*7Y7  NZT   N*0076  ENB   5U007*
00100 002000006521 010101110605 312262706260 002000000232 000000000000 000000000000 000001000001 000030000140
      TRA   0*00V#        111965  TXH   IBSYS  TRA   0*002*  HTR   000000  HTR   000000  HTR   001001  HTR   00H01-
00110 000004000170 000004000174 000214000262 002000400001 002000000076 002100000210 000047000702 002000400002
      HTR   00401Y  HTR   00401E        02*025  TRA   0*0-01  TRA   0*060*  TTR   0A0028  HTR   00P072  TRA   0*0-02
00120 002652077777 100276000224 000000000000 000000000000 -100000000000 100000000131 -000001000127 100000005404
      TRCE  0F-7**  TXI   8*+02D  HTR   000000  HTR   000000  STR   000000  TXI   800011        -0101G  TXI   8000*4
00130 100000000126 340000000131 312262706263 -000000000000 000000000062 000000000000 000000000000 000000000000
      TXI   80001F  TXH   J0001I  TXH   IBSYST        -00000  HTR   000005  HTR   000000  HTR   000000  HTR   000000
00140 000001000276 000000000000 000000000000 000000000000 000013000262 000015000272 000014900266 000003000306
      HTR   00102*  HTR   ( 000  HTR   000000  HTR   000000  HTR   00*025  HTR   00*02*  HTR   00*02W  HTR   003036
00150 000003000306 000002000302 000002000302 000004000312 000004000312 000005000316 000005000366 000001000346
      HTR   003036  HTR   092032  HTR   002032  HTR   004034  HTR   004034  HTR   00503*  HTR   00503W  HTR   001030
00160 000002000352 000003000356 000004000362 000000000000 000000000000 000000000000 000000000000 000000000000
      HTR   00203-  HTR   00303*  HTR   00403S  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000
00170 300015000262 000012000346 000006000416 000006000446 000043000000 000043000402 000043000416 000043000446
      TXH   H0*02S  HTR   00*030  HTR   00604*  HTR   00604G  HTR   00L000  HTR   00L042  HTR   00L04*  HTR   00L040
00200 000134200477 200000000000 000000000000 000000000001 000000077777 000000004712 000000000000 000000000000
            011+4*  TIX   +00000  HTR   000000  HTR   000001  HTR   0007>*  HTR   0000P*  HTR   000000  HTR   000000
00210 052000000742 002000000214 052000000207 002100000212 -060000000223 056000000222 -060000000022 056000000223
      ZET   5*007K  TRA   0*002*  ZET   5*0027  TTR   0A002*  STQ   00002C  LDQ   5 002B  STQ   00006B  LDQ   5 002C
00220 076000005000 002100000221 000012000000 000000000000 -050000000261 002000000240 060000000207 077400040214
      BTTE  7 0000  TTR   0A002A  HTR   00*000  HTR   000000  CAL   N0002/  TRA   0*002-  STZ   600027  AXT   710-2*
00230 060000400477 200001400*30 052000000207 002000000232 050000000256 060000000710 060000000300 060000000062
      STZ   600-4*  TIX   +01-2H  ZET   5*0027  TRA   0*002*  CLA   50002*  STZ   600078  STZ   600030  STZ   600005
00240 052000000207 002000000240 060200000023 -050000000257 052000000062 -050000000260 060200000022 076000005000
      ZET   5*0027  TRA   0*002-  SLW   62000C  CAL   N0002*  ZET   5*0005  CAL   N0002   SLW   62000B  BTTE  7 0000
00250 052000000022 002000000250 050000000300 036100000703 060200000300 002000000076 -312262706260 000010000000
      ZET   5*000P  TRA   0*0020  CLA   500030  ACL   3/0023  SLW   620030  TRA   0*000*  XL    ZBSYS  HTR   008000
00260 000011000000 312245256763 001321000000 000000000000 -000000000000 000000000000 001341000000 000000000000
      HTR   00900C  TXH   IBNEXT        0*4000  HTR   000000        -00000  HTR   000000        0*J000  HTR   000000
00270 -000000000000 000000000000 001361000000 000000000000 000000000052 000000000000 001201021616 000000000000
            -00000  HTR   000000        0*7000  HTR   000000  HTR   00000-  HTR   000000        0*12** HTR   000000
00300 000000000001 000000000000 001202003074 000000000000 000003000001 000000000000 001203003110 000000000000
      HTR   000001  HTR   000000        0*20HE  HTR   000000  HTR   003001  HTR   000000        0*3018  HTR   000000
00310 000000030654 000000000000 001204011242 000000000000 000000000157 000000000000 001205000327 000000000000
      HTR   00036*  HTR   000000        0*410K  HTR   000000  HTR   00001*  HTR   000000        0*503B  HTR   000000
00320 -000000000000 000000000000 001206000000 000000000000 000000000000 000021741034 001207000000 000000000000
            -00000  HTR   000000        0*6000  HTR   000000  HTR   000000  HTR   00A(8)        0*7000  HTR   000000

00330 000000000000 000021740734 001210000322 000000000000 000000000000 000021740434 001211000326 000000000000
      HTR   000000  HTR   00A(7)        0*8038  HTR   000000  HTR   000000  HTR   00A(4)        0*903F  HTR   000000
00340 000000000000 000021741134 001212000000 000000000000 000000000000 000022740134 002201021712 000000000000
      HTR   000000  HTR   00A(9)        0*9000  HTR   000000  HTR   000000  HTR   008(1)  TRCA  0B12**  HTR   000000
00350 000000000000 000000000000 002202021772 000000000000 000000000021 000000000000 002203021646 000000000000
      HTR   000000  HTR   000000  TRCA  0B22**  HTW   000000  HTW   00000A  HTR   000000  TRCA  0B32*0  HTR   000000
00360 000000000000 000000000000 002204021676 000000000000 000000000000 000000000000 002205000372 000000000000
      HTR   000000  HTR   000000  TRCA  0B42**  HTR   000000  HTR   000000  HTR   000000  TRCA  0B503*  HTR   000000
00370 -000000000000 000000000000 -002206000376 000000000000 000000000000 000000000000 -002207000000 000000000000
            -00000  HTR   000000  TRCB  -B603*  HTR   000000  HTR   000000  HTR   000000  TRCB  -B7000  HTR   000000
00400 000001000000 000000000000 -002210000406 000000000000 -000000000000 000000000000 -002211000412 000000000000
      HTR   001000  HTR   000000  TRCB  -B8046  HTR   000000        -00000  HTR   000000  TRCB  -B904*  HTR   000000
00410 -000000000000 000000000000 -002212000377 000000000000 -000000000000 000000000000 -003201000422 000000000000
            -00000  HTR   000000  TRCB  -B803*  HTR   000000        -00000  HTR   000000  TEFF  -*104B  HTR   000000
00420 -000000000000 000000000000 -003202000426 000000000000 -000000000000 000000000000 -003203000432 000000000000
            -00000  HTR   000000  TEFF  -*204F  HTR   000000        -00000  HTR   000000  TEFF  -*304*  HTR   000000
00430 -000000000000 000000000000 -003204000436 000000000000 -000000000000 000000000000 -003205000442 000000000000
            -00000  HTR   000000  TEFF  -*404*  HTR   000000        -00000  HTR   000000  TEFF  -*504K  HTR   000000
00440 -000000000000 000000000000 -003206000000 000000000000 -000000000000 000000000000 -004201000452 000000000000
            -00000  HTR   000000  TEFF  -*6000  HTR   000000        -00000  HTR   000000  RIA   -K104-  HTR   000000
00450 000000000000 000000000000 -004202000456 000000000000 -000000000000 000000000000 -004203000462 000000000000
            -00000  HTR   000000  RIA   -K204*  HTR   000000        -00000  HTR   000000  RIA   -K3045  HTR   000000
00460 -000000000000 000000000000 -004204000466 000000000000 -000000000000 000000000000 -004205000472 000000000000
            -00000  HTR   000000  RIA   -K404W  HTR   000000        -00000  HTR   000000  RIA   -K504*  HTR   000000
00470 -000000000000 000000000000 -004206000000 000000000000 -000000000000 000000000000 000000000000 000000000000
            -00000  HTR   000000  RIA   -K6000  HTR   000000        -00000  HTR   000000  HTR   000000  HTR   000000
                WORDS  00500  TO  00577  ALL CONTAIN  000000000000
                                                     HTR   000000
```

```
00700  000000000000  000000000000  002100001672  002100001357  002100001622  002100001452  002100001673  002100001670
       HTR   000000  HTR   000000  TTR   0A00*B  TTR   0A00=*  TTR   0A0C*B  TTR   0A00*-  TTR   0A00*,  TTR   0A00*Y
00710  000000000000  002100002206  002100002211  002100002365  002100002333  002100000765  002100000766  002100000751
       HTR   000000  TTR   0A0086  TTR   0A0089  TTR   0A00CV  TTR   0A0C.   TTR   0A007V  TTR   0A007W  TTR   0A007R
00720  002100002276  002100002277  002100002313  002000000756  000000000207  000000101035  000000101042  000000101004
       TTR   0A00B*  TTR   0A00B*  TTR   0A00C=  TRA   0+007*  HTR   000027  HT    00088*  HTR   00088K  HTR   000884
00730  000000101016  000000101023  000000101047  000000101030  000000000735  000000000377  000000000000  000002000001
       HTR   00088*  HTR   0008C   HTR   00088P  HTR   00088H  HTR   00007*  HTR   00003*  HTR   000000  HTR   002001
00740  001202003074  000000000000  000000000000  002100002365  000000001053  000000001054  000000000000  007400402365
             0*20HI  HTR   000000  HTR   000000  TTR   0A00CV  HTR   00008$  HTR   00008*  HTR   000000  TSX   010-CV
00750  000000000206  063400400754  052000000022  002000000752  077400400000  002000400001  052000000207  002000000756
       HTR   000026  SXA   610-7*  ZET   5+0008  TRA   0+007-  AXT   710-00  TRA   0+0-01  ZET   5+0027  TRA   0+007*
00760 -050000000764  060200000022  076000005000  002000000763  000021000000  077100000022 -032000000204  056000002406
       CAL   N0007L  SLW   62000B  BTTF  7 0000  TRA   0+007T  HTR   00A000  ARS   7Z000B  ANA   L+0024  LDQ   5 0006
00770  022506000776  022506000777  022506001000  022506001001  022506001002  002000400001 -000002342000 -000017500000
       VDP   2E607*  VDP   2E607*  VDP   2F6080  VDP   2E6081  VDP   2F6082  TRA   0+0-01        -02)+0        -0*Q00
01000 -000144000000 -001200000000 -010000000000  076100005037  054000000000 -054000000000  054100000000 -054100000000
             -1M000        -*0000  TNZ   J00000  NOP   7/000*  RCHA  5-0000  RCHB  N-0000  RCHC  5J0000  RCHD  NJ0000
01010 -060000000736  064000000736 -064000000736  064100000736 -064100000736  076100000000  006000000000  006100000000
       STQ   00007*  SCHA  6-007*  SCHB  U-007*  SCHC  6J007*  SCHD  0J007*  NOP   7/0000  TCOA  0 0000  TCOB  0/0000
01020  006200000000  006300000000  076100000000  002200000000 -002200000000  002400000000 -002400000000  07610000021[illegible]
       TCOC  0S0000  TCOD  0T000L  NOP   7/0000  TRCA  080000  TRCB  -80000  TRCC  0D0000  TRCD  -D0000  NOP   7/002[illegible]
01030  003000000064 -003000000050  003100000030 -003100000030  000000000000  000000000000  000000000000  000000000000
       TEFA  0H000L  TEFB  -H000W  TEFC  01000H  TEFD  -1000H  HTR   000000  HTR   000000  HTR   000000  HTR   000000
01040  000000000000  000000001400  000000000000  000000000000  000000000000  000000000000 -052000001046 -076000001000
       HTR   000000  HTR   0000*0  HTR   000000  HTR   000000  HTR   000000  HTR   000000  NZT   N+008D  ETTA  P 0080
01050 -076000002000 -076000003000 -076000004000  000000001053  000000001054 -060000000064  060100000063  077100000043
       ETTB  P 00+0  ETTC  P 00H0  ETTD  P 00-0  HTR   00008$  HTR   00008*  STQ   00000U  STO   61000T  ARS   7Z000L
01060  060200000065  061400000740 -014000001064  050000000201  063000000065  063000001250 -063400400065  063400201243
       SLW   62000V  STI   64007-  TNO   J-008U  CLA   500021  STP   6H000V  STP   6H00*Q  SXD   010-0V  SXA   610+*L

01070  063400101242  052000000032  002000001354  052000000062  002000001255  077400200010  077400100001  056000000023
       SXA   6108*K  ZET   5+000+  TRA   0+00**  ZET   5+0005  TRA   0+00**  AXT   710+08  AXT   710801  LDQ   5 000C
01100 -050000000022  077100000017  062200000003 -050000000003  004400000000  062100001254  050000000207  063400201166
       CAL   N0000B  ARS   7Z000*  STD   6B0003  CAL   N00003  PAI   0*0000  STA   6A00**  CLA   500027  SXA   610+9W
01110  010000001165  060100000742  052200101011  076000000005  002000001326  053500200742 -005700777770 -005500400000
       TZE   10009V  STO   61007K  XEC   5B0889  IOT   7 0005  TRA   0+00=F  LAC   5*0+7K  RIL   -*0**Y  SIL   -*0-00
01120  056000200001  076300000000 -005400000004  002000001155 -012000001130 -005400000002  002000001332  016200001136
       LDQ   5 0+01  LLS   7T0000  LFT   -*0004  TRA   0+009*  TMI   J+009H  LFT   -*0002  TRA   0+00=+  TQP   1S009*
01130 -005500040000  052200101047 -005500200000 -050000002405 -005400200000 -060200200000 -050000200002 -005400040000
       SIL   -*0400  XEC   5B088P  SIL   -*0+00  CAL   N00D05  LFT   -*0+00  ORS   020+00  CAL   N00+02  LFT   -*0400
01140 -032000002404  040000000203  060100200002 -050000200001 -073400400000  063400401147  050200000207  007400405065
       ANA   L+0004  ADD   400023  STO   610+02  CAL   N00+01  PDX   P10-00  SXA   610-9P  CLS   520027  TSX   010-QV
01150  002000001165  002000001165  007400401452  000005000207  002000001163 -005500200000 -012000001130 -050000200002
       TRA   0+009V  TRA   0+009V  TSX   010-*-  HTR   005C.7  TRA   0+009T  SIL   -*0+00  TMI   J+009H  CAL   N00+02
01160  060200000737 -050100002403  002000001141 -050000000207  002000001171  060000101035  077400200010  060000200032
       SLW   62007*  ORA   N10003  TRA   0+009J  CAL   N00027  TRA   0+009Z  STZ   60088*  AXT   710+08  STZ   600+0+
01170  050000000206  052000000741  002000001226  010000001203  073700200000  013100000000 -050000200001 -073400400000
       CLA   500026  ZET   5+007[illegible]  TRA   0+00*F  TZE   1000*3  PAC   7*0+00  XCA   110000  CAL   N00+01  PDX   P10-00
01200  300000401230  060000000206  060000200001 -050000000200 -073400200000  052000200477  002000001214  200004201205
       TXH   H00-*F  STZ   600026  STZ   600+01  CAL   N00020  PDX   P10+00  ZET   5+0+4*  TRA   0+00*[illegible]  TIX   +04+*5
01210 -012000001226  050200001027  073400200000  002000001205 -063400200200  177302201216  063600200206 -052000000062
       TMI   J+00*F  CLS   52008G  PAX   710+00  TRA   0+00*5  SXD   010+20  TXI   *,2+**  SCA   6*0+26  NZT   N+0005
01220  002000001170 -050000200000  077100000011 -032000001373 -073700100000  100001101170  060000000207  002000001240
       TRA   0+009Y  CAL   N00+00  ARS   770009  ANA   L+00=,  PDC   P*0800  TXI   80189Y  STZ   600027  TRA   0+00*-
01230  013100000000  060100000742  060100000207 -062500000135  060000000022  063400401236  007400405065  007400401270
       XCA   110000  STO   61007K  STO   610027  STL   0E001*  STZ   60000B  SXA   610-**  TSX   010-QV  TSX   010-*Y
01240  060000000742  044100000740  077400177476  077400277627 -056000000065 -073400400000  056000000063  076300000043
       STZ   60007K  LDI   4J007-  AXT   710*1*  AXT   710G*G  CAL   N0000V  PDX   P10-00  LDQ   5 000T  LLS   7T000L
01250  214000001251  056000000064 -052000000710  056400000735  002100005033  077400200022 -200002201075 -052000200032
       TIX   A-00*R  LDQ   5 0000  NZT   N+007B  ENB   50007*  TTR   0A000.  AXT   710+0B  TNX   02+8*   NZT   N+0+0+
01260  002000001256  300010201263  300006201075  075400200000  077100000001  073400100000 -050000200032  177770101104
       TRA   0+00**  TXH   H08+*T  TXH   H06+0*  PXA   7*0+00  ARS   770001  PAX   710800  CAL   N00+0+  TXI   **Y894
01270  052000000062  002000400001  063400401323 -053400400022  300000401322  077400200016 -052000000022  077400200002
       ZET   5+0005  TRA   0+0-01  SXA   610-*C  LXD   N10-0B  TXH   H00-=B  AXT   710+0*  NZT   N+000B  AXT   710+02
01300  053500400207 -050000400001 -076000000001  177777201304 -063400200022 -050000002400  052000000135  063000000022
       LAC   5*0-27  CAL   N00-01  PBT   P 0001  TXI   *****4  SXD   010+0H  CAL   N0000D  ZET   5+001*  STP   6H000[illegible]
01310  05340[illegible]201003  075400200000 -05[illegible]100001325  060200000023 -377502401316  100062401317  100276401317  075600400000
       LXA   510+83  PXA   7*0+00  ORA   N100=E  SLW   62000C  TXL   **2-=*  TXI   80S-**  TXI   62*-=*  PCA   7*0-00
01320  077100000002  062100000022  076000005000  077400476541  002000400001  100000000000  007400401673  000000000001
       ARS   7Z0002  STA   6A000B  BTTF  7 0000  AXT   710PVJ  TRA   0+0-01  TXI   800000  TSX   010-*,  HTR   000001
01330  000002301666  002000000210 -050000000201 -032000200001 -010000001350  063400401347  050000200002  007400400765
       HTR   0020*W  TRA   0+002H  CAL   N00021  ANA   L+0+01  TNZ   J00(=G  SXA   610-*P  CLA   500+02  TSX   010-7V
01340 -060000001652 -050000200002  007400401766 -060000001654  056060000207  007400402317  00 010001651  077400400000
       STQ   0000*-  CAL   N00+02  TSX   010-7W  STQ   0000**  LDQ   *5 027  TSX   010-C=  T[illegible]   0-80*R  AXT   710-00
01350 -050000002401  060200111035 -005500100000  002000001[illegible]36 -053400100032  300001105624  002000001073  056400000202
       CAL   N000E1  SLW   620BB*  SIL   -*0800  TRA   0+007*  LXD   N10+0+  TXH   H008+0  TRA   0+008,  ENB   500022
01360  063400101415 -050000400001  062100001445  052000000062  002000001443  077400100001  063400201412  063400401413
       SXA   610B**  CAL   *N0 -01  STA   6A00*N  ZET   5+0005  TRA   0+00*L  AXT   710801  SXA   610+*8  SXA   610-*=
01370  060400000071  053500201445  052000000207  100017001417 -050000200001 -073400400000 -300000401412 -062500101642
       STI   64000Z  LAC   5*0+*N  ZET   5+0027  TXI   80*0**  CAL   N00+01  PDX   P10-00  TXL   Y00-**  STL   0E08BK
01400  06000001[illegible]3[illegible] -050000001445  062100000207  062100000206 -062500000135  060000000022  063400401407  007400405065
       STZ   6000B*  CAL   N000*N  STA   6A0027  STA   6A0026  STL   0E001*  STZ   600008  SXA   610-*7  TSX   010-QV
01410  007400401270  060000000710  077400177627  077400477747  044100000071  077400177476  177777402264  056000400001
       TSX   010-*Y  STZ   60007B  AXT   710G*G  AXT   710PGP  LDI   4J0007  AXT   710*1*  TXI   ***-80  LDQ   5 0-01
01420 -0520000000[illegible]62  016200001412 -050000001445  062100000206  053400201412  053400401413  053400101415  044100000071
       NZT   N+0005  TQP   1S00**  CAL   N000*N  STA   6A0026  LXA   510+*8  LXA   510-*=  LXA   510B*0  LDI   4J0007
01430  052000000742  002000400002 -050000002147  063000000207 -050000000206  056400000735  052000000207  034000000207
       ZET   5+007K  TRA   0+0-02  CAL   N00[illegible]AP  STP   6H0027  CAL   N00026  ENB   50007*  ZET   5+0027  CAS   3-00[illegible]7

01440 -05[illegible]  177777402264  002000[illegible]01437  052000000207  007400[illegible]02[illegible]10  500000000302  07710000[illegible]11 -032000[illegible]01373
       NZT   [illegible]  TXI   ***-80  TRA   *00**  NZT   N+0027  TSX   [illegible]  CAL   N0[illegible]032  ARS   770009  ANA   L+0[illegible]
01450 -07[illegible]  100001101366 -05[illegible]0634[illegible]01  052[illegible]742  002[illegible]1475  056400[illegible]735  0[illegible]20[illegible]  [illegible]01456
       PA[illegible]  P*0+0[illegible]  TXI   [illegible]  CA[illegible]  ZET   5+0[illegible]  TRA   [illegible]  ENB   5[illegible]7*  ZET   [illegible]  TRA   [illegible]
01460  05640[illegible]  [illegible]21[illegible]1620  063400[illegible]1531  063[illegible]201532  [illegible]  [illegible]21[illegible]01566  063[illegible]1541  063[illegible]1542
       ENB   500[illegible]  STA   6A00**  SXA   610+*1  SXA   610***  STI   64[illegible]  STA   6A[illegible]  SXA   [illegible]08*1  SXA   [illegible]
01470  06[illegible]  [illegible]  [illegible]7340[illegible]  07540[illegible]  [illegible]  [illegible]2101477  [illegible]201500  1000[illegible]11[illegible]150[illegible]
       STI   [illegible]  CAL   N0[illegible]-01  PXA   [illegible]  PXA   7* [illegible]  PAX   [illegible]  TXI   [illegible]  TXL   [illegible]  TXI   [illegible]
01500  0[illegible]35[illegible]4[illegible]1547  441[illegible]  -0[illegible]  0774[illegible]  [illegible]  -05[illegible]742  052[illegible]01  0[illegible]1[illegible]16
       LAC   [illegible]  LDI   4J[illegible]00  LFT   [illegible]  AXT   7[illegible]  TXL   [illegible]  NZT   N0 7K  NZT   N+0-1  TRA   [illegible]
01510  [illegible]  [illegible]1520  [illegible]  [illegible]52[illegible]  [illegible]13  [illegible]  [illegible]1571  [illegible]
       [illegible]  [illegible]  ZET   5+-01  TRA   [illegible]  [illegible]  TXI   [illegible]0**A  -FT   [illegible]
0152[illegible]  [illegible]
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      TXI  ***P*A  ZET  5+007K  TRA  0+00**  P*A  7*0+00  ORA  N100*P  SLW  620-01  TSX  010-=*        -000**
01530 063400101534  077400100000  077400200000  044100000067  002000000000  075400200000  053500201546  007400401552
      SXA  610P*)  AXT  710800  AXT  710+00  LDI  4J000X  TRA  0+0000  PXA  7*0+00  LAC  5*0**0  TSX  010-*-
01540 063400101544  077400100000  077400200000  044100000070 -077400400000  100001402263  000000000000  001550000000
      SXA  6108*M  AXT  710800  AXT  710+00  LDI  4J000Y  AXC  P10-00  TXI  801-6T  HTR  000000        0*0000
01550 073700200000 -050000200001  063400401603  073400400000 -063400401621  063400201565 -377502201560  100062201561
      PAC  7*0+00  CAL  N00+01  SXA  610-*3  PAX  710-00  SXD  010-*A  SXA  610**V  TXL  **2**  TXI  805**/
01560 100276201561  075600200000  077100000002 -050100001621  060200000022  077400200000  044100200000  050000200002
      TXI  82***/  PCA  7*0+00  ARS  720002  ORA  N100*A  SLW  620008  AXT  710+00  LDI  4J0+00  CLA  500+02
01570 076000000003  052200401622 -200005401574  052200401614  012000001577  010000001600 -075400000000 -010000001601
      SSP  7 0003  XEC  580-*8  TNX  05-*(  XEC  580-*'  TPL  1*00**  TZE  1000*0  PXD  P*0000  TNZ  J000*1
01600 005700400000  060400200000  060100200002  077400400000  052000000742  002000002125  060000000206  060000000207
      RIR  0*0-00  STI  640+00  STO  610+02  AXT  710-00  ZET  5+007K  TRA  0+C0AE  STZ  600026  STZ  600027
01610 060000200001  177777402125  040000000203 -050100002403  040200002401  040200000203  050200000202 -075400000000
      STZ  600+01  TXI  ***-AE  ALD  400023  ORA  N10003  SUB  4J0001  SUB  420023  CLS  520022  PXD  P*0000
01620 000000000000  000000000000  056400000202  063400101636 -050060400001  073400100000 -300261101640  300475101640
      HTR  000000  HTR  000000  ENB  5U0022  SXA  6108**  CAL * N0 -01  PAX  710800  TXL  Y2/8*-  TXH  H4*8*-
01630 063400101631  050000000000 -012000001640 -050000400000  036100001624  062100001637  077400100000  002000000000
      SXA  6108*I  CLA  500000  TMI  J+00*-  CAL  N00-00  ACL  3/00*D  STA  6A00**  AXT  710800  TRA  0+0000
01640 075400400000  040000001624 -076500000017  007400402277  060200001665  007400401673  000000000001  000005001661
      PXA  7*0-00  ADD  4000*D  LGR  PV000*  TSX  010-B*  SLW  6200*V  TSX  010-*,  HTR  000001  HTR  0050*/
01650 007400402365 -206026314325 -205454545454 -206051252333 -205454545454 -206047255144  214525456360 -112521246051
      TSX  010-CV  TNX    FILE  TNX  *****  TNX    REC.  TNX  *****  TNX    PERM  TIX  ANENT         READ R
01660 252464456060 -203143432527  214360644531 -236051255064  256263602163 -205454545454 -233161466023  302523426060
      TIX  EDUR    TNX   ILLEG  TIX  AL UNI  TNX  T REQU  TIX  EST AT  TNX  *****  TNX   I/O C  TXH  HECK
01670 056400000202 -050000002146  002000001675  056400000202 -050000002147  063400101762  063400201762  063000002107
      ENB  5U0022  CAL  N000A0  TRA  0+00**  ENB  5U0022  CAL  N000AP  SXA  6108*/  SXA  610**S  STP  6H00A7
01700 063000002035  063000002011 -073400200000  056000202145 -060000002154 -062500000073  056000202151 -060000002153
      STP  6H00**  STP  6H00*9  PDX  P10+00  LDQ  5 0+AN  STQ  0000A*  STL  0E000,  LDQ  5 0+AR  STQ  0000A$
01710 062100002023  060400000072 -050000400001 -063400400710  060000000074  073400100000 -063400101720  177776401720
      STA  6A00+C  STI  64000=  CAL  N00-01  SXD  010-78  STZ  600001  PAX  710800  SXD  0108**  TXI  ***-**
01720 -200006402365  063400402057  063600401742  300000201741  077100000014  004400000000  077400400017 -005400000020
      TNX  06-CV  SXA  610-**  SCA  6*0-*K  TXH  H00**J  ARS  72000*  PAI  0M0000  AXT  710-0*  LFT  -*000*
01730 -063400402153 -005700777777  005500600060  060400002171  044100002152 -053400402153  300016401741 -005700000077
      SXD  010-A$  RIL  -*0***  SIR  0*0 0  STI  6400AZ  LDI  4J00A-  LXD  N10-A$  TXH  H0*-*J  RIL  -*000*
01740 -005500000060 -077400200014  050000106113  062100001764  062500001763  076500000011 -073700400000 -032000002403
      SIL  -*000   AXT  710+0'  CLA  5008/=  STA  6A00*U  STT  6F00*I  LRS  7V0009  PDC  P*0-00  ANA  L+0003
01750 076300000000 -012000001756  060400002170 -005700770000  044200402155  063400402031  077100000011  063400102000
      LLS  710000  TMI  J+00**  STI  6400AY  RIL  -*0*00  OSI  4K0-A*  SXA  610-*I  ARS  720009  SXA  6108*0
01760 063400201766  077400100004  077400277476 -063400001765 -077400406133  100000401766  077400200014  073400100000
      SXA  610**=  AXT  710304  AXT  7100(*  SXD  0100*V  AXC  P10-7=  TXI  800-*W  AXT  710+0'  PAX  710800
01770 -300000101777  056000400000 -060000202206  200001201775  177777202002 -200001101777  177777401771  012000002002
      TXL  Y008**  LDQ  5 0-00  STQ  000+86  TIX  +01***  TXI  *****2  TNX  018**  TXI  ***-*Z  TPL  1+00+2
02000 077400100000  200001101742  300013202026 -050000002406 -034000202205  002000002007  100001202002 -063400202012
      AXT  710800  TIX  +018*K  TXH  H0=**F  CAL  N00006  LAS  L-0+B5  TRA  0+00*7  TXI  801**2  SXD  010***
02010 077400200016  300000002044  200012202013 -063400207154  052000000073  002000002061  056000002153 -060000000022
      AXT  710+0*  TXH  H000*M  TIX  +0****  SXD  010+A*  ZET  5+000,  TRA  0+00*/  LDQ  5 00A$  STQ  000008
02020 056000002154 -060000000023  007400402125 -050000000274  036100000203  060160002023  053400102000  200001101741
      LDQ  5 00A*  STQ  00000C  TSX  010-AE  CAL  N0002(  ACL  3/0023  STO * 61 0*C  LXA  5108+0  TIX  +018*J
02030 -300000102045  077400477777 -300000402045  063400002000  060400002170  300000002026 -050000002170 -032000002402
      TXL  Y00H*N  AXT  710P**  TXL  Y00-*N  SXA  6100*0  STI  6400AY  TXH  H000*F  CAL  N000AY  ANA  L+0002
02040 -050100002407  060200002170  077400200001  002000002013  177776202012  044100000072 -050000000074  010000002053
      ORA  N10007  SLW  6200AY  AXT  710+01  TRA  0+00*=  TXI  ******  LDI  4J000=  CAL  N0000(  TZE  1000*$
02050 060200000022 -050000000075  060200000023  053400101761  053400201762 -063400000710 -075400000000  077400471665
      SLW  62000F  CAL  N0000*  SLW  62000C  LXA  5108*/  LXA  510**S  SXD  010078  PXD  P*0000  AXT  710P*V
02060 100001402261  060000000073  052000000062  052000000207  002000002066  007400102310 -052000000742 -052000000207
      TXI  801-8/  STZ  60000,  ZET  5+000S  ZET  5+0027  TRA  0+00*H  TSX  010RC8  NZT  N*007F  NZT  N*0027
02070 002000002107  077400402075  056400000735  063400400004  002000002074  053500402057  063400400000  077400401055
      TRA  0+00A7  AXT  710-**  NB   5U007*  SXA  610-04  TRA  0+00*I  LAC  5*0-**  SXA  610-0   AXT  710-8*
02100 063400400004  063600402057 -050000000022  060200000074 -050000000023  060200000075 -062500000742  300000002016
      SXA  610-04  SCA  6*0-**  CAL  N0000B  SLW  620001  CAL  N0000C  SLW  62000*  STL  0E007K  TXH  H000**
02110 -050000002143  060200000022  007400402125  056000000023 -075400000000 -076300000022  004300000000 -300001202121
      CAL  N000AL  SLW  620008  TSX  010-AE  LDQ  5 000C  PXD  P*0000  LGL  PT000B  OAI  0L0000  TXL  Y01*AA
02120 -060200002170 -013000000000 -060200002171  002000002016  000000002133  056000000004 -050000002124  062100000004
      ORS  0200AY  XCL  JH0000  ORS  0200AZ  TRA  0+00**  HTR  0000A.  LDQ  5 0004  CAL  N000AD  STA  6A0004
.130 -050000000003  056400000735  076000005000 -034000000003  002100002136  002100002133  056400000202  060200000003
      CAL  N00003  ENB  5U007*  BTTE 7 0000  LAS  L-0003  TTR  0A0CA*  TTR  0A00A.  ENB  5U0022  SLW  620003
02140 -060000000004  060000000022  002100002261  000014000000  300000002172  300000002170 -300001000270  300000000274
      STQ  000004  STZ  600008  TTR  0A00H/  HTR  00*000  TXH  H000A*  TXH  H000AY  TXL  Y0102Y  TXH  H0002(
02150 000002000041  000002000042 -201154000000  000002000042  300001002170 -200000000000  010000000000 -200000000000
      HTR  00200J  HTR  00200K  TNX  9*000   HTR  00200K  TXH  H010AY  TNX  00000   TZE  100000  TNX  00000
02160 -200000000000  000000000000 -200000000000 -200000000000 -200000000000 -200000000000 -200000000000 -200000000000
      TNX  00000   HTR  000000  TNX  00000   TNX  00000   TNX  00000   TNX  00000   TNX  00000   TNX  00000
02170 016060606060  100104600060  254524604626 -204146226060 -206060606060 -206051252333 -200000000001 -336026314325
           1       TXI  814 0   TIX  END OF  TNX  JOB    TNX          TNX  REC.    TNX  00001   TXL  , FILE
02200 -200000000003 -206060606060 -206060606060 -206060606060 -206060606060  000000000000  056400000202 -050000002267
      TNX  00003   TNX          TNX          TNX          TNX          HTR  000000  ENB  5U0022  CAL  N000BX
02210 002000002213  056400000202 -050000002266  060200002270  063400402260 -050000400000 -073400400000 -075400000000
      TRA  0+00B=  ENB  5U0022  CAL  N000BW  SLW  6200BY  SXA  610-H   CAL  N00-00  PDX  P10-00  PXD  P*0000
02220 -307400402222 -050000002147  063000002247  063000002240  063000002256  077400400005 -052000000062  010000002231
      TXL  Y10-BE  CAL  N000AP  STP  6H00BP  STP  6H00B-  STP  6H00B*  AXT  710-05  NZT  N*0005  TZE  1000BI
02230 077400400001 -063400402241 -052000000742 -052000000022  002000002237  056400000735  002000002233  007400401673
      AXT  710-01  SXD  010-BJ  NZT  N*007K  NZT  N*000B  TRA  0*00B*  ENB  5U007*  TRA  0*00B.  TSX  010-*,
02240 000000000001  002000002270  050000002275  056000002275  076000000006  052000000062  000000002255  002000002260
      HTR  000001  HTR  0000BY  CLA  500(B*  LDQ  5 00B*  COM  7 0006  ZET  5+0005  HTR  0000B*  TRA  0+00B
02250 077400400013 -063400400022  076000005000  052000000022  002000002253  007400401673  000000000001  000002002273
      AXT  710-0=  SXD  010-08  BTTE 7 0000  ZET  5+0008  TRA  0+00B$  TSX  010-*,  HTR  000001  HTR  0020B,
02260 077400400000  052000000710  002000400001 -052000000742  056400000735  002000400001 -204721646225 -206047216662
      AXT  710-00  ZET  5+007B  TRA  0+0-CI  NZT  N*007K  ENB  5U007*  TRA  0+0-01  TNX  PAUSE   TNX  PAWS
02270 -145454545454 -203127454651  252434606060 -264751462325  252431452733 -307070707070 -077300000003  056400000202
           ******  TNX  IGNOR   TIX  ED      TNX  PROCE   TIX  EDING.  TXL  YYYYYY  RQL  P,0003  ENB  5U0022
02300 063400402306  077400400005 -050000002406  076700000003 -076300000003  200001402303  077400400000  002000002261
      SXA  610-C6  AXT  710-C5  CAL  N00006  ALS  7X0003  LGL  PT0003  TIX  +01-C3  AXT  710-00  TRA  0+00B/
02310 056400000735  056400000202  002000100001  056400000202  063400402326 -350000400001  060100002325  007400402333
      ENB  5U007*  ENB  5U0022  TRA  0+0801  ENB  5U0022  SXA  610-CF  CAL  N00-01  STO  6100CF  TSX  010-C.
02320 063000000710  060200002332  007400401673  000000000000 -000002002331  000000000000  077400400000  063000000710
      STP  6H0078  SLW  6200C*  TSX  010-*,  HTR  000002        =020C1  HTR  000000  AXT  710-00  STP  6H0078
02330 177777402261 -206454546360  145454545454 -075400000000 -077300000004  076300000004 -077300000003  002000002342
      TXI  ***-I/  TNX  HALT          ******  PXD  P*0000  RQL  P,0004  LLS  710004  RQL  P,0003  TRA  0+00CK
02340 -206060606060  204500004100  016200002347  076700000006 -077300000041 -011401002345  002000400001  076300000006
      TNX  *       TIX  **/07   TLQ  1500CP  ALS  7X0006  RQL  P,000J  CAL  J*10CN  TRA  0+0-01  LLS  710006
02350 076700000014  036100000347  056400002332  054400000000  056100120000  002000002360  005700120000 -004600000000
      ALS  7X0014  ACL  3/0.0   STI  6400C*  PAI  0M0000  RNT  0*0100  TRA  0+00C   RIR  0*0100  PIA  -00000
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02360  044100002332  002000400001 -206051242060 -206047642060 -206047512060  056400000702  063400402373  007400401673
       LDI   4J00C+  TRA   0+0-01  TNX     RD<  TNX     PU+  TNX     PR+  ENB   5U0022  SXA   610-C,  TSX   010-*,
02370  000000030001  004003002375  060000000710  077400400000  002000000723 -204146226063  255144314521 -232574606060
       HTR   000001  TLQ   0-30C*  STZ   60007B  AXT   710-00  TRA   0+007C  TNX    JOB T  TIX   ERMINA  TNX   TED
02400 -00000000000C  000001000000 -370000000000  000000777777 -377777477777  000000400000 -206060606060  006060606060
            -00000  HTR   001000  TXL   *00000  HTR   000***  TXL   ***P**  HTR   000-00  TNX             TCDA* 0
                   WORDS  02410  TO  02567  ALL CONTAIN  000000000000
                                                   HTR   000000
02570 -076400001230  002000002573  002000002570  076000000012  060000002574  076000000005  060000002575  060100002576
       BSF   PU00*F  TRA   0+00E,  TRA   0+00EY  DCT   7 000*  STZ   6000E1  IOT   7 0005  STZ   6000E*  STO   6100E*
02600  077100000043  060100002600 -014000002604  060000002601 -060000002577  063400102602  063400202603  063400402604
       ARS   72000L  STO   6100F0  TNO   ' 00F4  STZ   6000F1  STQ   0000E*  SXA   6108F2  SXA   610+F3  SXA   610-F4
02610  077400400004 -076000400145  002000002614  060000402611  200001402611  077400400006  076000400167  060000402617
       AXT   710-04  SLT   P 0-1N  TRA   0+00F'  STZ   600-F9  TIX   +01-F9  AXT   710-06  SWT   7 0-1X  STZ   600-F*
02620  200001402616  060400002617 -075400000000 -077400400144  036100100000  200001402624  060200002620  050000002642
       TIX   +01-F*  STI   6400F*  PXD   P*0000  AXC   P10-1M  ACL   3/0800  TIX   +01-FD  SLW   6200F+  CLA   5000FK
02630  060100002573  076000000004 -062000002570 -060000002571  076600001230  054000002640  077000001230  000000000103
       STO   6100E,  ENK   7 0004  SLQ   0+00EY  STQ   0000EZ  WRS   7W00*H  RCHA  5-00F-  WEF   7Y00*H  HTR   000013
02640  200144000001 -000031002570  077777000001  000000000000  000000000000  000000000000  000000000000  000000000000
       TIX   +1M00L        -010EY        7**001  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000
02650  000000000000  000000000000  242362606060  000001100004  312241462260  000005100007 -244724216325  000014100001
       HTR   000000  HTR   000000  TIX   DCS     HTR   001804  TXH   IBJUB   HTR   005807  TNX   UPDATE  HTR   00'801
02660 -22465163606C  000015100002  312262262147  000017100001  264651635121  000020100005 -246331433163  000025100001
       TNX   SORT    HTR   00*802  TXH   IBSFAP  HTR   00*801  TIX   FORTRA  HTR   00+805  TNX   UTILIT  HTR   00E801
02670  114721236060  000026100004  314623626060  000032100002  252431634651  000034100001  312225246360  000035100001
       TXI   9PAC    HTR   00F804  TXH   IOCS    HTR   00+802  TIX   EDITOR  HTR   001801  TXH   IBEDT   HTR   00*801
02700 -246331436370  000036100001 -054645626324  000037100001 -206060606060  000000000000 -206060606060  000000000000
       TNX   UTILTY  HTR   00*801  LCHF  NONSTD  HTR   00*801  TNX             HTR   000000  TNX             HTR   000000
02710 -20606060606C  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
02720 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
02730 -206060606060  000000000000 -206060606060  000000000000 -206060606060  00000000000C -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
02740 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
02750 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
02760 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
02770 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
03000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
03010 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000  000000000000  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  HTR   000000  HTR   000000
                   WORDS  03020  TO  04507  ALL CONTAIN  C00000000000
                                                   HTR   000000
04510  000000000000  060000004511  077400100010 -050000000004  060200005005 -050000004521  060200000004  056400004546
       HTR   000000  STZ   6000N9  AXT   710808  CAL   N00004  SLW   620005  CAL   N000NA  SLW   620004  ENB   5U00N0
04520  052200104557  002100004522  200001104517  076000000016 -077400107746  060000100000  200001104525 -050000005005
       XEC   5B08N*  TTR   0A00NB  TIX   +018N*  LMTM  7 000*  AXC   P108*0  STZ   600800  TIX   +018NE  CAL   N000Q5
04530  060200000004  077400300000  077400500000  077400600000  077400700000 -076000000016  060000000207  060000000206
       SLW   620004  AXT   710H00  AXT   710Q00  AXT   710 00  AXT   710Y00  MSE   P 000*  STZ   600027  STZ   600026
04540  060000000200 -050000004545  060200000002  060200000010  002000004560  002100000210  000377000377 -076000000007
       STZ   600020  CAL   N000NN  SLW   620002  SLW   620008  TRA   0+00N   TTR   0A0028        03*03*  LTM   P 0007
04550 -076000000005  077200001205 -076000000002  076000000012  076000000005  014000004522  076000000140  016100004522
       ESTM  P 0005  REW   7*00*5  EFTM  P 0002  DCT   7 000*  IOT   7 0005  TOV   1-00NB  SLF   7 001-  TQO   1/00NB
04560  056000000101 -060000007401  077400400161  056000407562 -060000400262  200001404563  060000000104  060000000105
       LDQ   5 0011  STQ   000011  AXT   710-1/  LDQ   5 0-*S  STQ   000-2S  TIX   +01-NT  STZ   600014  STZ   600015
04570  060000000062  077400400062  056000406714 -060000402652  200001404572 -077400400214  056000002400  060000400261
       STZ   60000S  AXT   710-0S  LDQ   5 0-X'  STQ   000-F-  TIX   +01-N*  AXC   P10-2'  LDQ   5 0000  STZ   600-2/
04600 -060000400260  060000400257 -060000400256  100004404604  300000404577 -077400400262  077400200003 -050000007563
       STQ   000-2   STZ   600-2*  STQ   000-2*  TXI   804-04  TXH   H00-N*  AXC   P10-2S  AXT   710+03  CAL   N000*T
04610 -060200400000  177774404612 -073400100000  100020104614 -075400100000  200001204610 -050000007562 -076500000040
       ORS   020-00  TXI   **(-0*  PDX   P10800  TXI   80+80'  PXD   P*0800  TIX   +01+08  CAL   N000*S  LGR   PV000-
04620 -060000007562  073400100000  050000007564 -300000104626  007400204762  200001104624 -053400107564  101000104630
       STQ   0000*S  PAX   710800  CLA   5000*U  TXL   Y0080F  TSX   010+PS  TIX   +0180D  LXD   N108*U  TXI   8806DH
04630 -063400107564  077400100174  100001104633  063400104631  063400104775  077400100001  100001104637  063400104635
       SXD   0108*U  AXT   710B11  TXI   80180.  SXA   610801  SXA   6108P*  AXT   710801  TXI   80180*  SXA   61080*
04640 -300004104616  050000000107  073700200000 -073400100000  050000200000  063400204647  007400406350  077400200000
       TXL   Y0480*  CLA   500017  PAC   7*0+00  PDX   P10800  CLA   500+00  SXA   610+0P  TSX   010-T0  AXT   710+00
04650  062100200000  007400406305  177777204653  200001104644  077400100144 -050000103016  060200107732  200001104655
       STA   6A0+00  TSX   010-T5  TXI   ****0$  TIX   +0180M  AXT   71081M  CAL   N008H*  SLW   6208**  TIX   +0180*
04660  077400100144 -050000107733  077100000017 -032000007245  062100107733  062500107733  200002104661  052000000032
       AXT   71081M  CAL   N008*.  ARS   77000*  ANA   L+00*N  STA   6A08*.  STT   6E08*.  TIX   +0280/  ZET   5+000+
04670  000000004776 -050000004511  010000004703  052000000022  002000004673 -062500000736  042000000000  060000000736
       HTR   0000P*  CAL   N000N9  TZE   1000P3  ZET   5+000B  TRA   0+000,  STL   0E007*  HPR   4+0000  STZ   60007*
04700 -050000005006  062100000003  002000000004 -050000004713  062100000300 -050000004710  007400400240  002000004711
       CAL   N000Q6  STA   6A0003  TRA   0+0004  CAL   N000P-  STA   6A0030  CAL   N000P8  TSX   010-2-  TRA   0+00P9
04710  242331245160 -062500000205  050000000151  073700200002 -300000206270  056000004760  060000000022 -060000000023
       TIX   DCIOR   STL   0F0025  CLA   50001R  PAC   7*0+02  TXL   Y00+SY  LDQ   5 00P   STZ   60000B  STQ   00000C
04720 -062000000022  060000010127  007400402125  053500110127  167652104725  063400105755  367651106542  050000100000
       SLQ   0+000B  STZ   600116  TSX   010-AE  LAC   5*0916  TXI   **-8PE  SXA   6108**  TXH   **RBVK  CLA   500800
04730  076700000002  073700200000  177502204733  377302204735  100214204735  044100100001  060400200003 -012000004757
       ALS   7X0002  PAC   7*0+00  TXI   **2+P.  TXH   *,2+P*  TXI   82*+P*  LDI   4J0801  STI   640+03  TMI   J+00P*
04740  075600200000  007400406305  005100740034  005400770077  100002104726 -004600000000 -076500000014  077100000006
       PCA   7*0+00  TSX   010-T5  IIR   0R0(0)  RFT   0*0*0*  TXI   8028PF  RIA   -00000  LGR   PV000'  ARS   770006
04750 -076300000006  073400400000 -304077404757  305111404757  062100200000 -050000004761  060200200000  100002104726
       LGL   PT0006  PAX   710-00  TXL   Y-*-P*  TXH   HR9-P*  STA   6A0+00  CAL   N000P/  ORS   020+00  TXI   8028PF
04760  000020010127  040000000000  063400204773 -060200400000 -073400200000  100001204766  075600400000  062160004775
       HTR   00+116  ADD   40000C  SXA   610+P,  ORS   020-00  PDX   P10+00  TXI   801+PW  PCA   7*0-00  STA * 6A 0P*
04770  062100004775 -075400200000  177774404773  077400200000  002000200001  000000000174 -050000007302  060200000132
       STA   6A00P*  PXD   P*0+00  TXI   **(-P,  AXT   710+00  TRA   0+0+01  HTR   000011  CAL   N000,2  SLW   62001+
05000 -050000005004  060200000133  060000000032  002000004703  000002000000  002117001055  000000004703 -077400200144
       CAL   N000Q4  SLW   62001.  STZ   60000+  TRA   0+00P3  HTR   002000  TTR   0A*08*  HTR   0000P3  AXC   P10+1M
05010  052000000205 -077400200001  050000200000  073700400000 -300000406270  007400106341  077400405033  063400405033
       ZET   5+0025  AXC   P10     CLA   500+00  PAC   7*0-00  TXL   Y00-SY  TSX   010BTJ  AXT   710-Q.  SXA   610-Q.
05020  050000200000  0737001       052000100001  002000005022  044100100000  056000005035 -005400000100  056000005034
       CLA   500+00  PAC           ZET   5+0801  TRA   0+000B  LDI   4J0800  LDQ   5 000*  LFT   -*0010  LDQ   5 000)
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05030 -060000100001  007400401357 -000000200000  002000005107  005040005036  205065005037  300030005210  300014005174
       STQ   000801  TSX   010-=*         -00+00  TRA   0+00R7         00-00*  TIX   +QVOQ*  TXH   HOH"-8  TXH   HO'OR(
05040  912000005075 -005600200000  002000005063 -062500000205  077400205007  044160000151 -005600000300  002000005071
       TPL   1+000*  LNT   -*0+00  TRA   0+000T  STL   0E0025  AXT   710+Q7  LDI * 4J 01K  LNT   -*0030  TRA   0+000Z
05050  077400205052  002000005071  007400401673  000000000001  000005005056  007400402365 -202346456351 -064360232151
       AXT   710+0-  TRA   0+000Z  TSX   010-*,  HTR   000001  HTR   00500*  TSX   010-CV  TNX    CONTR  SCHH* OL CAR
05060  246260314521  232325626221  274325606060  077400205106  002000005071  012000005075 -005400200000  002000400001
       TIX   DS INA  TIX   CCESSA  TIX   BLE     AXT   710+R6  TRA   0+000Z  TPL   1+000*  LFT   -*0+00  TRA   0+0-01
05070  077400205107  063400205033  073700200000  060000200001  002000400001  073700200000  050000200001  062100101004
       AXT   710+R7  SXA   610+Q.  PAC   7*0+00  STZ   600+01  TRA   0+0-01  PAC   7*0+00  CLA   500+01  STA   6A0884
05100  060000000135  050000006624  034000006627  002000400001  060000101042  002000400001  007400406766  050000006624
       STZ   60001*  CLA   5000WD  CAS   3-00WG  TRA   0+0-01  STZ   6008BK  TRA   0+0-01  TSX   010-XW  CLA   5000WD
05110  040200006627 -010000005124  050000005174  034000005245  002000005116  002000005124  040200005246  010000006541
       SUB   4200WG  TNZ   J000RD  CLA   5000R(  CAS   3-00-N  TRA   0+00R*  TRA   0+00RD  SUB   4200-0  TZE   1000VJ
05120  050000005174  040200005255 -010000005007  002000006045 -050000005176  056000005177 -076300000022  060200005240
       CLA   5000R(  SUB   4200-*  TNZ   J0000Q7 TRA   0+00 N  CAL   NOOUR*  LDQ   5 00R*  LGL   PT000B  SLW   6200--
05130 -050000005174  077400400027 -034000405270  002000005135  002000405317  200001405132  004400000000 -005600533124
       CAL   NOOOR(  AXT   710-0G  LAS   L-0--Y  TRA   0+00R*  TRA   0+0-$*  TIX   +01-R*  PAI   0M0000  LNT   -*0$10
05140  002000005153 -005400244653  002000005153  007400400117  000000005174  052000000122  002000005007  007400401673
       TRA   0+00R$  LFT   -*000$  TRA   0+00R$  TSX   010-1*  HTR   0000R(  ZET   5+001B  TRA   0+0007  TSX   010-*,
05150  000000000001  000014005174  002000005007 -005600535400  002000005161 -005400242300  002000005161  007400105541
       HTR   000001  HTR   00'OR(  TRA   0+0007  LNT   -*0$*0  TRA   0+00R/  LFT   -*0DC0  TRA   0+00R/  TSX   0108*J
05160  002000005007  007400401673  000000000002  004013005174  000006005166  002000005007 -204546636021 -202221623123
       TRA   0+0007  TSX   010-*,  HTR   000002  TLQ   0-*OR(  HTR   0060RW  TRA   0+0007  TNX    NOT A  TNX    BASIC
05170 -204446453163 -065160234645 -235146436023  215124606060 -136263464760 -206060606060 -206060606060 -206060606060
       TNX    MONIT          OR CON  TNX   TROL C  TIX   ARD            $STOP  TNX                  TNX                  TNX
                    WORDS  05200  TO  05207  ALL CONTAIN -206060606060
                                                            TNX
05210 -205125273146 -056066303143  256043462124  314527604331 -054233602321 -054546636047 -114623252524  336060606060
       TNX    REGIO          N WHIL  TIX   E LOAD  TXH   ING LI  RCHF   NK. CA  LCHD   NNOT P          ROCEED  TXH    .
05220  100000000126  300000200000  100000005404  000016000366  000015000316  000003000000  000002000000  000001000000
       TXI   80001F  TXH   H0G+00  TXI   8000*4  HTR   00*03W  HTR   00*03*  HTR   003000  HTR   002000  HTR   001000
05230  000021000356  000020000352  050000200020  000000005166  000000000010  000001000000  002117001055  000000017177
       HTR   00A03*  HTR   00+03-  CLA   500+0*  HTR   0000RW  HTR   000008  HTR   001000  TTR   0A*08*  HTR   00012*
05240 -206060606060 -132162623177 -132321512462 -132471632560 -132545242631 -132567252364 -133122627062 -134146226060
       TNX                 $ASSIG         $CARDS          $DATE          $ENDFI          $EXFCU         $IBSYS           $JOB
05250 -134721646225 -135125432521 -135125444665 -135125626346 -135125663145 -136263464760 -136266315323 -136321472560
              $PAUSE         $RELEA         $REMOV         $RESTU         $REWIN          $STOP         $SWITC          $TAPE
05260 -136445434621 -133122252463 -135125622563 -133122414622 -132163254524 -133146222162 -136225636447 -136445316362
              $UNLOA         $IBEDT         $RESET         $IBJOB         $ATEND         $IOBAS         $SETUP          ' NITS
05270  002000005317  002000005555  002000005526  002000005564  002000005513  002000006541  002000005647  002000005536
       TRA   0+00$*  TRA   0+00**  TRA   0+00*F  TRA   0+00*U  TRA   0+00*=  TRA   0+00VJ  TRA   0+00*P  TRA   0+00**
05300  002000005363  002000005566  002000005623  002000005562  002000006045  002000005440  002000005557  002000005566
       TRA   0+00$T  TRA   0+00*W  TRA   0+00*C  TRA   0+00*S  TRA   0+00 N  TRA   0+00*-  TRA   0+00**  TRA   0+00*W
05310  002000006163  002000006173  002000005504  002000005531  002000005531  002000005531  002000005533  007400106301
       TRA   0+00/T  TRA   0+00/,  TRA   0+00*4  TRA   0+00*I  TRA   0+00*I  TRA   0+00*I  TRA   0+00*.  TSX   0108T1
05320  077400400030 -050000005240 -034000407301  002000005325  002000005327  200001405322  002000006261  063400405331
       AXT   710-0H  CAL   N000--  LAS   L-0-,1  TRA   0+00$E  TRA   0+00$G  TIX   +01-$B  TRA   0+00S/  SXA   610-$I
05330  007400105374  077400400000 -050000005240 -032000002403  077400100214 -034000100501  002000005340  177302105355
       TSX   0108$(  AXT   710-00  CAL   N000--  ANA   L+00D3  AXT   7(082'  LAS   L-0851  TRA   0+00$-  TXI   *,28$*
05340  200004105335 -050000400170  073400100000  300000105007  077400200004 -050000200200  073700100000  300000105353
       TIX   +048$*  CAL   N00-1Y  PAX   710800  TXH   H008Q7  AXT   710+04  CAL   N00+20  PAC   7*0800  TXH   H008$$
05350  200001205345  056000005240  002000006271  052000100003  002000005361  075600100000  062100400170  007400406305
       TIX   +01+$N  LDQ   5 00--  TRA   0+00SZ  ZET   5+0803  TRA   0+00$/  PCA   7*0800  STA   6A0-1Y  TSX   010-T5
05360  002000005007 -050000100000  002000005316  007400106301 -077400105006 -050000005240  077400400030 -034000407301
       TRA   0+0007  CAL   N00800  TRA   0+00$0  TSX   0108T1  AXC   P10806  CAL   N000--  AXT   710-0H  LAS   L-0-,1
05370  002000005372  002000005374  200001405367  002000006261  300027405611  050000400170  062100005437 -075400000000
       TRA   0+00$=  TRA   0+00$(  TIX   +01-$X  TRA   0+00S/  TXH   H0G-*9  CLA   500-1Y  STA   6A00**  PXD   P*0000
05400  062100400170  053500205437  044100200003  052000200003  005400007707  005400770070  002000100001  077400400030
       STA   6A0-1Y  LAC   5*0+**  LDI   4''+03  ZET   5+0+03  RFT   0*00*7  RFT   0*0*0Y  TRA   0+0801  AXT   710-0H
05410  050000400170 -032000000204 -034000005437  002000005415  002000100001  200001405410  044100200000 -005600000300
       CLA   500-1Y  ANA   L+0024  LAS   L-00**  TRA   0+00**  TRA   0+0801  TIX   +01-*8  LDI   4J0+00  LNT   -*0030
05420  002000005422  002000100001  050000005437  007400406305 -004600000000  077100000011 -032000007237 -073700400000
       TRA   0+00*B  TRA   0+0801  CLA   5000**  TSX   010-T5  PIA   -00000  ARS   7Z0009  ANA   L+00=*  PDC   P*0-00
05430 -005500400000  060400200000  050000400173  062100200000  050000005437  062100400173  002000100001  000000000000
       SIL   -*0-00  STI   640+00  CLA   500-1,  STA   6A0+00  CLA   5000**  STA   6A0-1,  TRA   0+0801  HTR   000000
05440  007400106301 -050000005240  077400400030  077400200030 -034000407301  002000005447  002000005451  200001405444
       TSX   0108T1  CAL   N000--  AXT   710-0H  AXT   710+0H  LAS   L-0-,1  TRA   0+00*P  TRA   0+00*R  TIX   +01-*M
05450  002000006261  300027405611 -050000005177  056000005200 -076500000014 -013000000000 -034000207301  002000005461
       TRA   0+00S/  TXH   H0G-*9  CAL   N000R*  LDQ   5 00-0  LGR   PV000'  XCL   JH0000  LAS   L-0+,1  TRA   0+00*/
05460  002000005463  200001205456  002000006261  300027405611  056000400170 -050000200170  062100400170  062200400170
       TRA   0+00*T  TIX   +01+**  TRA   0+00S/  TXH   H0G-*9  LDQ   5 0-1Y  CAL   N00+1Y  STA   6A0-1Y  STD   6B0-1Y
05470 -013000000000  062100200170  062200200170 -063400405476 -063400205501 -077400200170  100000205477  007400106341
       XCL   JH0000  STA   6A0+1Y  STD   6B0+1Y  SXD   010-**  SXD   010+=1  AXC   P10+1Y  TXI   800+**  TSX   0108TJ
05500 -077400200170  100000205502  007400106341  002000005007 -077400200151 -052000000205 -077400200144  007400401452
       AXC   P10+1Y  TXI   800+*2  TSX   0108TJ  TRA   0+0007  AXC   P10+1R  NZT   N+0025  AXC   P10+1M  TSX   010-'-
05510  000005200000 -050000007302  002000005240  007400106301 -077400200140 -052000004511  007400106341  007400406434
       HTR   005+00  CAL   N000,2  SLW   6200--  TSX   0108T1  AXC   P10+1-  NZT   N+00N9  TSX   0108TJ  TSX   010-U)
05520 -050000200000  073700200000  076700000022  062200000121 -050000005240  002000000240 -050000005240  060200000101
       CAL   N00+00  PAC   7*0+00  ALS   7X0008  STD   6B001A  CAL   N000--  TRA   0+002-  CAL   N000--  SLW   620011
05530  002000005007  007400106301  002000005007  007400106301  007400405662  002000005007  007400105541  007401402211
       TRA   0+0007  TSX   0108T1  TRA   0+0007  TSX   0108T1  TSX   010-*S  TRA   0+0007  TSX   0108*J  TSX   011-B9
05540  002000005007  077400200013 -050000002406 -034000205210  002000005546  002000005553 -063400205551  007400401673
       TRA   0+0007  AXT   710+0=  CAL   N000D6  LAS   L-0--8  TRA   0+00*0  TRA   0+00*$  SXD   010+*R  TSX   010-*,
05550  200000000001  000000205210  002000100001  200001205543  002000100001  060000000205  002000005560 -062500000205
       TIX   +00001  HTR   000+-H  TRA   0+0801  TIX   +01+*L  TRA   0+0801  STZ   600025  TRA   0+00*   STL   0E0025
05560  007400106301  002000005007  077400200003  002000005567  077400200007  002000005567  077400200004  007400106301
       TSX   0108T1  TRA   0+0007  AXT   710+03  TRA   0+00*X  AXT   710+07  TRA   0+00*X  AXT   710+04  TSX   0108T1
05570 -063400205606 -050000005240  077400200030 -034000207301  002000005576  002000005600  200001205573  002000006261
       SXD   010+*6  CAL   N000--  AXT   710+0H  LAS   L-0+,1  TRA   0+00**  TRA   0+00*0  TIX   +01+*,  TRA   0+00S/
05600  300027205611 -013000000000  050000200170  073400400000 -300000406271  007400401452  000000200170  076100000000
       TXH   H0G+*9  XCL   JH0000  CLA   500+1Y  PAX   710-00  TXL   Y00-S7  TSX   010-'-  HTR   000+1Y  NOP   7/0000
05610  002000005007  007400401673  000000000001  000006005615  007400402365 -206270624322  016062472523  312631232163
       TRA   0+0007  TSX   010-*,  HTR   000001  HTR   0060**  TSX   010-CV  TNX    SYSLB          1 SPEC  TXH   IFICAT
05620  314645601360  232163216263 -114647302560  007400106301  056000005607 -060000004600  050000000133  060100007433
       TXH   ION =   TIX   CATAST          KOPHE  TSX   0108T1  LDQ   5 00*7  STQ   000000  CLA   50001.  STO   61001.
05630  050000000205  060100007505  056400000202  056000000206 -060000007506  056000000207 -060000007507  077400400154
       CLA   500025  STO   6100*5  ENK   500022  LDQ   5 0026  STQ   0000*6  LDQ   5 0027  STQ   0000*7  AXT   710-1*
05640  056000407562 -060000410262  200001405640  060000004511  077400405007  063400404707  002000004571  050000007432
       LDQ   5 0-*S  STQ   000-2S  TIX   +01-*-  STZ   6000N9  AXT   710-07  SXA   610-P7  TRA   0+00NZ  CLA   5000(+
05650  060100006624  007400400117  000000005174  052000000122  002000005660  007400401673  000000000001  004013005174
       STO   6100WD  TSX   010-1*  HTR   0000R(  ZET   5+001B  TRA   0+00*   TSX   010-*,  HTR   000001  TLQ   0-*OR(
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05660  00740040566    002000005007   063400406022   056000007732  -077400407772   077400200010  -060000400000  -050000207741
       TSX   010-*S   TRA   0+0007   SXA   610- B   LDQ   5 00**   AXC   P10-**   AXT   710+08   STQ   000-00   CAL   N00**L
05670  060200400001  -050000207744   060200400002   177751405674   200002205666   060000400000  -062000400000   077400100214
       SLW   620-01   CAL   N00**M   SLW   620-02   TXI   **R-*(   TIX   +02**M   STZ   600-00   SLQ   0+0-00   AXT   71082*
05700 -050000002406   077400200024   052000000273   002000005702   060200210021   060200210050   060200210126   060200207772
       CAL   N00006   AXT   710+00   ZET   5+002,   TRA   0+00*2   SLW   620A0A   SLW   620A0Q   SLW   620A1F   SLW   620***
05710  060200210077   200001205704   077400200024   056000100476   007400402333   077100000014  -050100006043   060200207772
       SLW   620A0*   TIX   +01**4   AXT   710+00   LDQ   5 084*   TSX   010-C.   ARS   72000'   ORA   N100 L   SLW   620***
05720  075400100000   073700400000   100476405723   063400406037   077400400030  -050000400170  -032000000204   040200006037
       PXA   7*0800   PAC   7*0-00   TXI   84*-*C   SXA   610- *   AXT   710-0H   CAL   N00-1Y   ANA   L+0024   SUB   4200 *
05730 -010000005736  -050000407301  -037000002403  -050100007250   060200210021   002000005737   200001405725   075400100000
       TNZ   J000**   CAL   N00-,1   ANA   L+00 3   ORA   N100*J   SLW   620A0A   TRA   0+00**   TIX   +01-*E   PXA   7*0800
05740  077100000002   073700400000   300201105744   100040405745   100103405745   075400400000   060200006037   007400400766
       ARS   720002   PAC   7*0-00   TXH   H208*M   TXI   80--*N   TXI   813-*N   PXA   7*0-00   SLW   6200 *   TSX   010-7W
05750 -013000000000  -050100006041   060200210077  -050000006042   060200210126   077400467640   367651406007  -050000400000
       XCL   JH0000   ORA   N100 J   SLW   620A0*   CAL   N000 K   SLW   620A1F   AXT   710U*-   TXH   **R- 7   CAL   N00-00
05760 -032000000204   040200006037   010000005764   100002405756   050000400000  -073400400000  -300000405774  -013000000000
       ANA   L+0024   SUB   4200 *   TZE   1000*U   TXI   802-**   CLA   500-00   PDX   P10-00   TXL   Y00-*(   XCL   JH0000
05770  007400402333   077100000014  -050100006043   060200210126   056000100501   077400400000  -076300000006   004400000000
       TSX   010-C.   ARS   72000'   ORA   N100 L   SLW   620A1F   LDQ   5 0651   AXT   710-00   LGL   PT0006   PAI   0H0000
06000  005400000077   100006406005  -050100006040   100006406004  -300036405776  -076300400044   060200210050   200004106011
       RFT   0*000*   TXI   806- 5   ORA   N100 -   TXI   806- 4   TXL   Y0*-**   LGL   PT0-0M   SLW   620A0Q   TIX   +048 9
06010  177774106012   200001205713   056000006024  -060000000273   007400401357   000000006044   300000105700   007400401673
       TXI   **(8 *   TIX   +01***   LDQ   5 00 D   STQ   00002,   TSX   010-**   HTR   0000 M   TXH   H008*0   TSX   010-*,
06020  000000000001   004000000000   077400400000   002000400001  -006025000000  -012000006033  -050000006035   060200000022
       HTR   000001   TLQ   0-0000   AXT   710-00   TRA   0+0-01   TCNA - E000   TMI   J+00 .   CAL   N000 *   SLW   62000R
06030 -050000006036   060200000023   002000400001   060000000273   002000400001   000016000042   300164007743   000000000000
       CAL   N000 *   SLW   62000C   TRA   0+0-01   STZ   60002,   TRA   0+0-01   HTR   00*00K   TXH   H1U0*L   HTR   000000
06040  000000000060   006060600000  -206 24316242  -206000000000   000000000272   007400106301   053500200153   060000006125
       HTR   00000    TCOA* 0   00   TNX     DISK   TNX     0000   HTR   00002*   TSX   0108T1   LAC   5*0+1$   STZ   6000/E

06050 -300000206054  -050000200002  -03200  07247   060100006125   077400100022  -300000206070   060100006123   007400400765
       TXL   Y00+ *   CAL   N00+02   ANA   L+00*P   STO   6100/E   AXT   71080P   TXL   Y0C+ Y   STO   6100/C   TSX   010-7V
06060 -060000106165   050000006123   007400400766  -060000106163  -050000002406   060200106161   050000006162   060100106160
       STQ   0008/V   CLA   5000/C   TSX   010-7W   STQ   0008/T   CAL   N00006   SLW   6208//   CLA   5000/5   STO   6108/
06070 -300014106077   053500200147   060000006124  -300000206076  -050000200002   060100006124   177771106055  -300005106103
       TXL   Y0'8 *   LAC   5*0+1P   STZ   6000/D   TXL   Y00+ *   CAL   N00+02   STO   6100/D   TXI   **Z8 *   TXL   YC58/3
06100  053500200151  -050000200002   177771106055   007400401673   000000000006   004000006105   004007006126   000007006135
       LAC   5*0+1R   CAL   N00+02   TXI   **Z8 *   TSX   010-*,   HTR   000006   TLQ   0-00/5   TLQ   0-70/F   HTR   0070/*
06110  000007006144   004007006153   001002006133   052000000207   002000006113   060000000736  -050000006122   060200000022
       HTR   0070/M   TLQ   0-70/$         0820/.   ZET   5+0027   TRA   0+00/*   STZ   60007*   CAL   N000/8   SLW   62000R
06120  076000005000   002000004512   000022000000   000003000001   000000030654   000000000157  -204725513147   302551214360
       BTTE  7 0000   TRA   0+00N*   HTR   008000   HTR   003001   HTR   00036*   HTR   00001*   TNX    PERIP   TXH    HERAL
06130  263143256047  -066231633146  -056260216360   254524604626  -204146226060  -206270624747   016060606060  -206060606060
       TIX   FILE P         OSITIO         NS AT   TIX   END OF   TNX      JOB   TNX    SYSPP          1       TNX
06140 -206051252333  -200000010101  -336026314325  -200000000000  -206270624664   016060606060  -206060606060  -206051252333
       TNX     REC.   TNX    00111   TXL   , FILE   TNX    00000   TNX    SYSOU          1       TNX            TNX     REC.
06150 -200102070106  -336026314325  -200000000000  -206270623145   016060606060  -206060606060  -206051252333  -200000000001
       TNX    12716   TXL   , FILE   TNX    00000   TNX    SYSIN          1       TNX            TNX     REC.   TNX    00001
06160 -336026314325  -200000000003   016060606060   007400106301  -077400200140  -050000006172   060200005240   056000005607
       TXL   , FILE   TNX    00003          1       TSX   0108T1   AXC   P10+1-   CAL   N000/*   SLW   6200     LDQ   5 00*7
06170 -062000001126   002000005520   252431634651   007400106301   077400400030   050000400170   073400200000   050000407470
       SLQ   0+009F   TRA   0+00**   TIX   EDITOR   TSX   0108T1   AXT   710-0H   CLA   500-1Y   PAX   710+00   CLA   500-1Y
06200 -300000206205  -010000006227   063400406226   007400105374   002000006226   063400406207   007400406350   077400400000
       TXL   Y00+S5   TNZ   J000SG   SXA   610-SF   TSX   0108$(   TRA   0+00SF   SXA   610-S7   TSX   010-TQ   AXT   710-00
06210  010000006227   077400100004   044100200000  -005100400000  -052000200003  -005400440000   002000006231   062100006246
       TZE   1000SG   AXT   710804   LDI   4J0+00   IIL   -R0-00   NZT   N+0+03   LFT   -*0M00   TRA   0+00SI   STA   6A00S0
06220 -050000400170  -032000007246  -050100006246   060200400170   063400406226   007400406305   077400400000   200001406175
       CAL   N00-1Y   ANA      0*0   ORA   N100S0   SLW   620-1Y   SXA   610-SF   TSX   010-T5   AXT   710-00   TIX   +01-/*
06230  002000005007  -300003  6233   044100100200  -004600000000   0 3700200000   300000206212   200001106232   056000407301
       TRA   0+0007   TXL     38S.   LDI   4J0820   PIA   -00000   PAC   7*0+00   TXH   H00+S*   TIX   +018S+   LDQ   5 0-,1
06240 -060000006274   06340   6226   007400401673   000000000001   000005006274   002000006226   000000000000   056000100001
       STQ   0000S(   SXA   610-SF   TSX   010-*,   HTR   000001   HTR   0050S(   TRA   0+00SF   HTR   000000   LDQ   5 0801
06250 -060000006253   0074  401673   000000000002   000000000000   000003006256   002000005007  -202321512460   312745465125
       STQ   0000S$   TSX   010-*,   HTR   000002   HTR   000000   HTR   0030S*   TRA   0+0007   TNX     CARD   TXH   IGNORE
06260  246060606060   007  0106247  -000005006263  -203143432527   214360627062  -244531602425   263145316331  -064560606060
       TIX   D        TSX   0108SP          -050ST   TNX    ILLEG   TIX   AL SYS   TNX   UNI DE   TIX   FINITI            ON
06270  056000007262  -06  00006274   007400106247   000005006274  -145454545454  -204546602162  -223127454425  -056360442124
       LDQ   5 00*S   ST    0000S(   TSX   0108SP   HTR   0050S(          ******   TNX    NO AS   TNX   SIGNME          NT MAD
06300  256060606060   0  400401673   000000000001   000013005174   002000100001   062100006340  -052000006340   002000400001
       TIX   E        TSX   010-*,   HTR   000001   HTR   00*0R(   TRA   0+0801   STA   6A00T-   NZT   N*00T-   TRA   0+0-01
06310  063400406332   063400206333   073700200000   050000200000   077100000011   063000200000  -032000007237   077100000022
       SXA   610-T+   SXA   610+T.   PAC   7*0+00   CLA   500+00   ARS   720009   STP   6H0+00   ANA   L+00**   ARS   72000R
06320  036100000111   073700400000   100001406323   050000400000  -032000000204   034000006340   002000006330   002000006335
       ACL   3/0019   PAC   7*0-00   TXI   801-TC   CLA   500-00   ANA   L+0024   CAS   3-00T-   TRA   0+00TH   TRA   0+00T*
06330  073700400000   300000406323   077400473037   077400277456   002000400001   050000200000   062100400000   002000006332
       PAC   7*0-00   TXH   H00-TC   AXT   710PH*   AXT   710G(*   TRA   0+0-01   CLA   500+00   STA   6A0-00   TRA   0+00T+
06340  000000000322   050000200000   073700400000  -300000406347   044100400000  -005700700000   060400400000   002000100001
       HTR   00003B   CLA   500+00   PAC   7*0-00   TXL   Y00-TP   LDI   4J0-00   RIL   -*0Y00   STI   640-00   TRA   0+0801
06350  063400406376   063400106377   073700100000  -377773106425  -073400200000  -300000206425   200012206401   050000100167
       SXA   610-T*   SXA   6108T*   PAC   7*0800   TXL   **,RUE   PDX   P10+00   TXL   Y00+UE   TIX   +0**U1   CLA   50081X
06360  062200006366   077100000017   062200006363   100000206364  -075400200000  -073700400000   100000406367   300014406425
       STD   6800T*   ARS   72000*   STD   6800TT   TXI   800+TU   PXD   P*0+00   PDC   P*0-00   TXI   800-TX   TXH   H0'-UE
06370  077100000020   036100100167   040200007243   073700200000  -032000000204   044100200000   077400400000   077400100000
       ARS   72000+   ACL   3/081X   SUB   4200=L   PAC   7*0+00   ANA   L+0024   LDI   4J0+00   AXT   710-00   AXT   710800
06400  002000400001   300003206425   050000100167   062100006413   077100000017  -073400400000  -300000400425  -075400200000
       TRA   0+0-01   TXH   H03+UE   CLA   50081X   STA   6A00U*   ARS   72000*   PDX   P10-00   TXL   Y00-UE   PXD   P*0+00
06410  076700000004   036100007241   060100006433  -077400200000   044100200000   004200006417   002000006423   076000000006
       ALS   7X0004   ACL   3/00=J   STO   6100U.   AXC   P10+00   LDI   4J0+00   TIO   0K00U*   TRA   0+00UC   COM   7 0006
06420 -032000007242   004600006427   053000006433   177774206424   200001406414   075400000000   002000006376   075400200000
       ANA   L+00*K   TIF   0000UG   CLA   5000U.   TXI   **(+U0   TIX   +01-U'   PXA   7*0000   TRA   0+00T*   PXA   7*0+00
06430  073700400000   075400400000   002000006375   000000000000   063400106516   063400406517   060000000062  -050000005240
       PAC   7*0-00   PXA   7*0-00   TRA   0+00T*   HTR   000000   SXA   6108V*   SXA   610-V*   STZ   60000S   CAL   N000-=
06440  053500407565  -053400107565  -034000400000   002000006445   002000006501   177776406446   200001106442  -062500000062
       LAC   5*0-*V   LXD   N108*V   LAS   1-0-00   TRA   0+00UN   TRA   0+00V1   TXI   ***-U0   TIX   +01HUK   STL   0F000S
06450  056000007560   052000000022   002000006451  -060000000022   060200000023   056000006461  -060000000004   076000005000
       LDQ   5 00*    ZET   5+000R   TRA   0+00UR   STQ   00000R   SLW   62000C   LDQ   5 00U/   STQ   000004   BTTE  7 0000
06460  002000006460   002000006462  -077400100015   060000106464   200001106463  -034000006500   002000006473   002000006471
       TRA   0+00U    TRA   0+00US   AXC   P1)R0*   STZ   60/RU0   TIX   +01RUT   LAS   L-00V0   TRA   0+00U,   TRA   0+00U/
06470  002000006473   076200001321   002000006474   076200001221   054000006477   054400000000   002000000001  -100003000000
       TRA   0+000,   RDS   7500*A   TRA   0+000    RDS   7500*5   RCHA  5-00U*   LCHA  5M0000   TRA   0+0001   STR   003001
06500  232151246260   060200000102   053500107301  -300000106510  -034000107301   100001106503   002000006511   100001106503
       TIX    CAPES   SLW   620012   LAC   5*08,1   TXL   Y00RV8   LAS   L-08,1   TXI   801RV3   TRA   0+00V9   TXI   801RV3
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06510 -062500000062 -050000400001  050000000300  040200007744  062200000300  060100000196  077400100000  077400400000
         STL   010005  CAL   NOU-01  STZ   600030  SUB   4200*M  STO   6H0030  STO   610016  AXT   710800  AXT   710-00
06520  002000400001  077400100144 -050000103016  060200107732  200001106522  077400100144 -050000107733  077100000017
         TRA   0+0-01  AXT   710B1M  CAL   600HH*  SLW   620H**  TIX   +01BVM  AXT   710B1M  CAL   H00B*.  ARS   77000*
06530 -032000007245  062100107733  062500107733  200002106526 -076000000016  077400100214  060000100501  200004106536
         ANA   1+00*N  STA   6A0H*.  STT   6F0H*.  TIX   +02BVF  MSE   P 000*  AXT   710B2'  STZ   600B51  TIX   +04BV*
06540  002000004715  007400106301  056000007432  050000000132 -060000000132  060100006624  034000007432  002000006551
         TRA   0+00P*  TSX   010BTI  LDQ   5 001*  CLA   5000I*  STQ   0000I*  STO   6100HD  CAS   3-001*  TRA   0+00VK
06550  002000005007  034000006626  002000006554  002000006576  034000006627  002000006557  002000005007  034000005255
         TRA   0+0007  CAS   3-00WF  TRA   0+00V*  TRA   0+00V*  CAS   3-00WG  TRA   0+00V*  TRA   0+0007  CAS   3-00-*
06560  002000006562  002000006577  034000006625  002000006565  002000006615  056000002406 -050000006624  060200005240
         TRA   0+00VS  TRA   0+00V*  CAS   3-00WE  TRA   0+00VV  TRA   0+00W*  LDQ   5 00D6  CAL   N000WD  SLW   6200--
06570 -076500000022 -060000005177  056000006630 -060000005175  056000005245  002000006605  050000005255  060100005174
         LGR   PV000B  STQ   0000R*  LDQ   5 00WH  STQ   0000R*  LDQ   5 00-N  TRA   0+00W5  CLA   5000-*  STO   6100RI
06600  077400100013  056000002406 -060000105710  200001106602  002000005124 -060000005174 -050100007250  060200005176
         AXT   710H0*  LDQ   5 00D6  STQ   0008-8  TIX   +01BW2  TRA   0+00RD  STQ   0000RI  ORA   N100*Q  SLW   6200R*
06610  077400100010  056000002406 -060000105210  200001106612  002000005124  077400400151 -052000000205  077400400144
         AXT   710H08  LDQ   5 00D6  STQ   0008-8  TIX   +01BW*  TRA   0+00RD  AXT   710-1*  NZT   N*0025  AXT   710-1M
06620  063400406622  007400401452  000005000000  002000005007  312262706263  312262226251  312262456763  312262672523
         SXA   610-WP  TSX   C10-*-  HTR   005000  TRA   0+0007  TXH   10SYST  TXH   1BSBSR  TXH   1BSNXT  TXH   1BSXEC
06630 -232560606060 -276767676767 -076400001230  002000002573  002000002570  076000000012  060000002574  076000000005
         TNX   TC      TNX   XXXXXX  BSF   PUD0*H  TRA   0+00E,  TRA   0+00EY  OCT   7 0004  STZ   6000EI  IOT   7 0005
06640  060000002575  060100002576  077100000043  060100002600 -014000002604  060000002601 -060000002577  063400102602
         STZ   6000F*  STO   6100E*  ARS   77000L  STO   6100F0  TNO   J-00F4  STZ   6000F1  STQ   0000F*  SXA   610BF7
06650  063400202603  063400402604  077400400004 -076000400145  002000002614  060000402611  200001402611  077400400006
         SXA   610*F3  SXA   610-F4  AXT   710-04  SLT   P 0-1N  TRA   0+00F'  STZ   600-F9  TIX   +01-F9  AXT   710-06
06660  076000400167  060000402617  200001402616  060400002617 -075400000000 -077400400144  036100100000  200001402624
         SWT   7 0-1X  STZ   600-F*  TIX   +01-F*  STI   6400F*  PXD   P*0000  AXC   P10-1M  ACL   3/0800  TIX   +01-FD
06670  060200002620  050000002642  060100002573  076000000004 -062000002570 -060000002571  076600001230  054000007640
         SLW   6200F*  CLA   5000FK  STO   6100E,  ENK   7 0004  SLQ   U+00EY  STO   0000EZ  WRS   7W00*H  RCHA  5-00F-
06700  077000001230  000000000103  200144000001 -000031002570  077777000001  000000000000  000000000000  000000000000
         WEF   7Y00**  HTR   000013  TIX   +1M001        -010FY        7**L01  HTR   000000  HTR   000000  HTR   000000
                              WORDS  06710  TO  06757  ALL CONTAIN  000000000000
                                                             HTR   000000
06760  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000  063400407021  077400400014
         HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  SXA   610-7A  AXT   710-0'
06770  060000405210  200001406770  077400200004  077400400030  077400100006  056000405240  075400000000 -011401007037
         STZ   600--B  TIX   +01-XY  AXT   710+0'  AXT   710-0H  AXT   710B06  LDQ   5 0---  PXA   7*0000  CAQ   J'10Y*
07000 -032000207037 -060200105207  200001106776  056000405241  077400100006  075400000000 -011401007037 -032000207037
         ANA   L+0*Y*  ORS   0208-2  TIX   +01BX*  LDQ   5 0--J  AXT   710B06  PXA   7*0000  CAQ   J'10Y*  ANA   L+0*Y*
07010 -060200105210  200001107005  177776407013  200001206774  077400400014  056000405210 -015406007137 -060000405210
         ORS   0208-8  TIX   +01BY5  TXI   ***-Y*  TIX   +01*XI  AXT   710-0'  LDQ   5 0--8  CRQ   J*607*  STQ   000--H
07020  200001407015  077400400000  002000400001  111111111111  101010101010  070707070707  060606060606  050505050505
         TIX   +01-Y*  AXT   710-00  TRA   0+0-01  TXI   999999  TXI   888888        777777        666666        555555
07030  040404040404  030303030303  020202020202  010101010101 -206060606060 -C04040404040  202020202020  000000000000
               444444  DFSB  333333        222222        111111  TNX                 ------  TIX   ******  HTR   000000
07040  000000000077  000000007700  000000007777  000000770000  000000770077  000000777700  000000777777  000077000000
         HTR   00000*  HTR   0000*0  HTR   0000**  HTR   000*00  HTR   000*0*  HTR   000**0  HTR   000***  HTR * 00*000
07050  000077000077  000077007700  000077007777  000077770000  000077770077  000077777700  000077777777  007700000000
         HTR * 00*00*  HTR * 00*0*0  HTR * 00*0**  HTR * 00**00  HTR * 00**0*  HTR * 00***0  HTR * 00****        0*0000
07060  007700000077  007700007700  007700007777  007700770000  007700770077  007700777700  007700777777  007777000000
               0*000*        0*00*0        0*00**        0*0*00        0*0*0*        0*0**0        0*0***        0**000
07070  007777000077  007777007700  007777007777  007777770000  007777770077  007777777700  007777777777 -370000000000
               0**00*        0**0*0        0**0**        0***00        0***0*        0****0        0*****  TXL   *00000
07100 -370000000077 -370000007700 -370000007777 -370000770000 -370000770077 -370000777700 -370000777777 -370077000000
         TXL   *0000*  TXL   *000*0  TXL   *000**  TXL   *00*00  TXL   *00*0*  TXL   *00**0  TXL   *00***  TXL   *0*000
07110 -370077000077 -370077007700 -370077007777 -370077770000 -370077770077 -370077777700 -370077777777 -377700000000
         TXL   *0*00*  TXL   *0*0*0  TXL   *0*0**  TXL   *0**00  TXL   *0**0*  TXL   *0***0  TXL   *0****  TXL   **0000
07120 -377700000077 -377700007700 -377700007777 -377700770000 -377700770077 -377700777700 -377700777777 -377777000000
         TXL   **000*  TXL   **00*0  TXL   **00**  TXL   **0*00  TXL   **0*0*  TXL   **0**0  TXL   **0***  TXL   ***000
07130 -377777000077 -377777007700 -377777007777 -377777770000 -377777770077 -377777777700 -377777777777 -200000007137
         TXL   ***00*  TXL   ***0*0  TXL   ***0**  TXL   ****00  TXL   ****0*  TXL   *****0  TXL   ******  TNX   P002*
07140  010000007137  020000007137  030000007137  040000007137  050000007137  060000007137  070000007137  100000007137
         TZL   10002*  MPY   20002*  FAD   30002*  ADD   40002*  CLA   50002*  STZ   60002*        70002*  TXI   80002*
07150  110000007137  000000007137  130000007137  140000007137 -140000007137 -140000007137 -140000007137  200000007137
         TXI   90002*  HTR   00002*  TXI   *0002*  TXI   *0002*        *0002*        *0002*        *0002*  TIX   *0002*
07160  210000007137  220000007137  230000007137  240000007137  250000007137  260000007137  270000007137  300000007137
         TIX   A0002*  TIX   B0002*  TIX   C0002*  TIX   D0002*  TIX   E0002*  TIX   F0002*  TIX   G0002*  TXH   H0002*
07170  310000007137  320000007137  330000007137  340000007137 -140000007137 -140000007137 -140000007137 -000000007137
         TXH   I0002*  TXH   *0002*  TXH   ,0002*  TXH   10002*        *0002*        *0002*        *0002*        -0002*
07200 -010000007137 -020000007137 -030000007137 -040000007137 -050000007137 -060000007137 -070000007137 -100000007137
         TNZ   J0002*  MPR   K0002*  UFA   L0002*  SBM   M0002*  CAL   N0002*  STQ   O0002*        P0002*  STR   Q0002*
07210 -110000007137 -120000007137 -130000007137 -140000007137 -140000007137 -140000007137 -140000007137  000000007137
               R0002*        -0002*        $0002*        *0002*        *0002*        *0002*        *0002*  HTR   00002*
07220 -210000007137 -220000007137 -230000007137 -240000007137 -250000007137 -260000007137 -270000007137 -300000007137
         TNX   /0002*  TNX   S0002*  TNX   T0002*  TNX   U0002*  TNX   V0002*  TNX   W0002*  TNX   X0002*  TXL   Y0002*
07230 -310000007137 -320000007137 -330000007137 -340000007137 -140000007137 -140000007137 -140000007137  000017000000
         TXL   Z0002*  TXL   *0002*  TXL   ,0002*  TXL   (0002*        *0002*        *0002*        *0002*  HTR   00*000
07240  000060000000  000301000000  000377000000  000000000004  000004000000  000000000007 -377777000000  077777777777
         HTR * 00 000        031000        03*000  HTR   000004  HTR   004000  HTR   000007  TXL   ***000        7*****
07250 -206060000000 -227062432201 -227062432202 -227062432203 -227062432204 -227062235124 -227062475163 -227062472330
         TNX      000  TNX   SYSLB1  TNX   SYSLB2  TNX   SYSLB3  TNX   SYSLB4  TNX   SYSCRD  TNX   SYSPRT  TNX   SYSPCH
07260 -227062466401 -227062466402 -227062314501 -227062314502 -227062474701 -227062474702 -227062234201 -227062234202
         TNX   SYSOU1  TNX   SYSOU2  TNX   SYSIN1  TNX   SYSIN2  TNX   SYSPP1  TNX   SYSPP2  TNX   SYSCK1  TNX   SYSCK2
07270 -227062646301 -227062646302 -227062646303 -227062646304 -227062646305 -227062646306 -227062646307 -227062646310
         TNX   SYSUT1  TNX   SYSUT2  TNX   SYSUT3  TNX   SYSUT4  TNX   SYSUT5  TNX   SYSUT6  TNX   SYSUT7  TNX   SYSUT8
07300 -227062646311  000000000012  312241462260  314623626060 -224651636060  114722236060 -246331433163 -206060606060
         TNX   SYSUT9  HTR   000001  TXH   IBJOB   TXH   IOCS    TNX   SORT    TXI   9PAC    TNX   UTILIT  TNX
07310 -206060606060 -206060606060 -206060606060 -206060606060  030000011461  060100005633  013100000000  030000005632
         TNX           TNX           TNX           TNX           FAD   3001*7  STO   6100*.  XCA   110000  FAD   3000**
07320  030000011462  030000005633  060100011461 -060000011462  050000011456 -012000007331  050000011452  077100000022
         FAD   3001*S  FAD   3000*.  STO   6101*7  STQ   0001*S  CLA   5001**  TMI   J*00,1  CLA   5001*-  ARS   77000B
07330  062200011456  040000011455  040000011451  076700000001  073400400000 -012000007375  300114407356  050000011461
         SUB   4201**  ADD   4001**  ADD   4001*R  ALS   7X0001  PAX   710-00  TMI   J*00,*  TXH   HI*-,*  CLA   5001*7
07340  056000011462  060100005632  076000410631  060100005633  056000410631  026000005637 -060000005634  060100005635
         LDQ   5 01*S  STO   6100**  FMP   2 0J61  STO   6100*.  LDQ   5 0J61  FMP   2 00**  STQ   0000*)  STO   6100**
07350  056000410632  026000005632  030000005633  030000005634  030000005635  002000007432  050000011461  056000011462
         LDQ   5 0J6*  FMP   2 00**  FAD   3000*.  FAD   3000*)  FAD   3000**  TRA   0+001*  CLA   5001*7  LDQ   5 01*S
07363  060100005632  026000010515  060100005633  056000010515  026000005632 -060000005634  060100005635  056000010516
         STO   6100**  FMP   2 0)**  STO   6100*.  LDQ   5 0)15*  FMP   2 00**  STQ   0000*)  STO   6100**  LDQ   5 015*
07370  030000005632  030000005633  030000005634  030000005635  200114407341  300114407414  050000011461  056000011462
         FAD   3000**  FAD   3000*.  FAD   3000*)  FAD   3000**  TIX   +1*-,)  TXH   HI*-I*  CLA   5001*7  LDQ   5 01*S
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07400  00200C00000C  010000010604  206060*06060  0*2000000232  00000C000C00  C00000000077  000000000000  00003C000140
       TRA   0+000C  TZE   100164  TNX           TRA   0+002+  HTC   000000  HTR   00000*  HTR   0 0000  HTR   00H01-
07410  000004000170  000004000174  000214000262  002000400001  002000000076  002100000210  000047000702  002000400002
       HTR   00401Y  HTR   00401I        02*02S  TRA   0+0-01  TRA   0+000*  TTR   0A002H  HTR   00PC72  TRA   0+0-02
07420  00  02077777  100276000224  000000000000  000000000000 -100000000000  T00000000131 -000001000127  000000000130
       TRC   0F-/**  TXI   82*020  HTR   000000  HTR   000000  STR   000000  TXI   80001I        -0101G  HTR   00001H
07430  100000000126  340000000131  312262706263  000000000000  000000000062  000000007435  000000000000  000000000000
       TXI   00001F  TXH   100011  TXH   IBSYST  HTR   000000  HTR   00000S  HTR   00001*  HTR   00000C  HTR   000000
07440  000001000001  000000000000  000000000000  000000000000  000013000001  000015000001  000014000001  000003000001
       HTR   001001  HTR   000000  *     000000  HTR   000000  HTR   00*001  HTR   00*001  HTR   00*001  HTR   003001
07450  000003000001  000002000001  0   02000001  000004000001  000004000001  000005000001  000005000002  000001000002
       HTR   003001  HTR   002001  *     002001  HTR   004001  HTR   0.4001  HTR   005001  HTR   005002  HTR   001002
07460  000002000002  000003000002  0   04000002  000000000000  000000000000  000000000000  000000000000  000000000000
       HTR   002002  HTR   003002  HTR   004002  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000
07470  300015000262  000C  000346  000006000416  000006000446  000043000000  000043000000  000043000000  000043000 0
       TXH   H0*025  HTR   00*030  HTR   00604*  HTR   006040  HTR   00L000  HTR   00L000  HTR   00L000  HTR
07500  000214200477  200000000000  000000000000  000000000001  000000077777  000000000000  000000000000  000000000000
             02*+4*  TIX   +00000  HTR   000000  HTR   000001  HTR   0007**  HTR   000000  HTR   000000  HTR   000000
07510  052000000742  002000000214  052000000207  002100000212 -060000000223  056000000222 -060000000022  056000000223
       ZET   5+007K  TRA   0+002*  ZET   5+0027  TTR   0A002*  STQ   00002C  LDQ   5 002B  STQ   00000B  LDQ   5 002C
07520  076000005000  002100000221  000012000000  000000000000 -050000000261  002000000240  060000000207  077400400214
       BTTE  7 0000  TTR   0A002A  HTR   00+000  HTR   000000  CAL   N0002/  TRA   0+002-  STZ   600027  AXT   7(0-2*
07530  060000400477  200001400230  052000000207  002000000232  050000000256  060000000710  060000000300  060000000067
       STZ   600-4*  TIX   +01-2H  ZET   5+0027  TRA   0+002*  CLA   50002*  STZ   60007B  STZ   600030  STZ   60000S
07540  052000000207  002000000240  060200000023 -050000000257  052000000062 -050000000260  060200000022  076000005000
       ZET   5+0027  TRA   0+002-  SLW   62000C  CAL   N0002*  ZET   5+000S  CAL   N0002   SLW   62000B  BTTE  7 0000
07550  052000000022  002000000250  050000000300  036100000203  060200000300  002000000076 -312262706260  000010000000
       ZET   5+000E  TRA   0+002Q  CLA   500030  ACL   3/0023  SLW   620030  TRA   0+000*  TXL   ZBSYS   HTR   008000
07560  000011000000  312245256763 -124630000000  001321000000  001201000000  000062007566  242362606060  000001000001
       HTR   009000  TXH   IBNEXT        -0H000        0*AC00        0*1000  HTR * 0050*W  TIX   DCS     HTR   001001
07570  312241462260  000005000001 -244724216325  000014000001 -224651636060  000015000001  312262262147  000017000001
       TXH   IBJOB   HTR   005001  TNX   UPDATE  HTR   00*001  TNX   SORT    HTR   00*001  TXH   IBSFAP  HTR   00*001
07600  264651635121  000020000001 -246331433163  000025000001  114721236060  000026000001  314623626060  000032000001
       TIX   FORTRA  HTR   00+001  TNX   UTILIT  HTR   00F001  TXI   9PAC    HTR   00F001  TXH   IOCS    HTR   00+001
07610  252431634651  000034000001  312225246360  000035000001 -246331436370  000036000001 -054645626324  000037000001
       TIX   EDITOR  HTR   003001  TXH   IBEDT   HTR   00*001  TNX   UTILTY  HTR   00*001  LCHF  NONSTD  HTR   00*001
07620 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07630 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07640 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07650 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07660 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07670 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07700 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07710 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07720 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000 -206060606060  000000000000
       TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000  TNX           HTR   000000
07730 -206060606060  000000000000  000026000026 -202664452363  314645606060 -206270442246 -033123606060 -200400604346
       TNX           HTR   000000  HTR   00F00F  TNX   FUNCT   TXH   ION     TNX   SYKBO         LIC     TNX    40 LO
07740  273123214360 -200400606445  316360606060  000005000026  001100606445  316360606060  000000000000  000000000000
       TIX   GICAL   TNX    40 UN  TXH   IT      HTR   00500F        090 UN  TXH   IT      HTR   000000  HTR   000000
                     WORDS 07750 TO 10677 ALL CONTAIN 000000000000
                                                      HTR   000000
10700  000000000000  000000000000  000000000000  000000000000  040407233237  067743444001  034013536713  064602666320
       HTR   000000  HTR   000000  HTR   000000  HTR   000000        447C**        6*LM-4  CAS   3-*$X*        602WT+
10710  031011262243  061465370246  026324216517  055757132075  022355175661  052614110061  017127313047  047474723215
             389FBL        6*V*20        2TDAV*        5***+*        2C***/        5F*90/        1ZGIHP        4((***
10720  014571074040  043773036657  013450140063  040625513677  005523263217  035504411377  002565702477  032403472533
             1NZ7--        4*,3W*        14Q*0T        46ER**  SIR   0*CF**        3*4J**        0EVYD*        3O3PFI
10730  000000000000  026637304365  000000000000  023514235136  000000000000  020411660745  000000000000  014651264556
       HTR   000000        2W*HLV  HTR   000000        2**CR*  HTR   000000  VLM   249W7N  HTR   000000        1ORFN*
10740  000000000000  011524220445  000000000000  006420163521  000000000000  002663437347  000000000000  014631463146
       HTR   000000        1*LB4N  HTR   000000  TCOF  0U***A  HTR   000000  TRCE* OFTL,P  HTR   000000        1O1O1O
10750  146314631463  001217270243  327024365605  000101422335  057065176763  000006433342  353070414545  000000517426
       TXI   *T*T*T        0**G2L  TXH   *YD**5        01IKC*        5YV*XT  HTR   006L.K  TXH   *HYJNN  HTR   000RIF
10760  261070664360  000000041433  330405536661  000000003265  374515274536  000000000253  314356106043  000000000021
       TIX   F8YWL   HTR   0004*.  TXH   .U5$W/  HTR   0000*V  TXH   *N*UN*  HTR   00002$  TXH   IL*8 L  HTR   00000A
10770  056027640466  000000000001  267633766353  000000000000  053765777027  000000000000  004313631402  000000000000
       LDQ   5 GU4W  HTR   000001  TIX   F*.*T$  HTR   000000        5*V*YG  HTR   000000  0AI   0L*T*2  HTR   000000
11000  000341134115  000000000000  000026411156  000000000000  000002200727  000000200000  000000163225  000000000000
             03J*J*  HTR   000000  HTR   00FJ9*  HTR   000000  HTR   002*7G  HTR   000000  HTR   000**E  HTR   000000
11010  000000013416  377454732313  373741367021  370601137164  365464114135  361755023373  356612334311  353473426555
       HTR   0001)*  TXH   *(*,C*  TXH   **J*YA  TXH   *61*7U  TXH   **U9J*  TXH   ***2.,  TXH   *W*.L9  TXH   *),KV*
11020  347770675742  344623713116  341503074077  336402374714  332635456171  327512676456  324410545213  320647410336
       TXH   )*YX*K  TXH   1UC7I*  TXH   1*37-*  TXH   .U2*P*  TXH   .F*N/Z  TXH   ***XU*  TXH   *M8*-*  TXH   *6PJ3*
11030  315522640262  312417031702  306661534466  303532743536  300425434430  274674055532  271543212741  266434157116
       TXH   I*BU2S  TXH   ID*3*2  TXH   HW/$MW  TXH   H**(**  TXH   H4ELMH  TIX   G0(5**  TIX   G*LAGJ  TIX   FU)*Z*
11040  262706576512  257553630410  254443023471  250721522451  245564416672  242452013710  236734654500  233575360400
       TIX   FG6*V*  TIX   E*$T4B  TIX   EML2I7  TIX   E7A-DR  TIX   D*UJW*  TIX   DD-1*B  TIX   CXIVNO  TIX   C***40
11050  230461132000  224750220000  221606500000  216470400000  212764000000  207620000000  204500000000  201400000000
       TIX   C4/**0  TIX   BPUB00  TIX   **6U00  TIX   AUY-00  TIX   AGU000  TIX   ***000  TIX   *N0000  TIX   **0000
11060  175631463146  172507534122  167406111565  163643334273  160517426542  155414336750  151655376247  146527461671
       TXI   **IOIO  TXI   *E7$JB  TXI   *I69*V  TXI   **L.K,  TXI   *5*KVK  TXI   ***.XQ  TXI   ****SP  TXI   *VGO*7
11070  143422701372  137567634766  134537657770  131431363140  125702270232  122550223342  117440165750  113715125246
       TXI   *)BY**  TXI   **$T*W  TXI   *N*V*Y  T     **I*I-  TXI   **2(2*  TXI   *FQA.K  TXI   9(-**Q  TXI   9***SO
11100  110560736522  105447113564  101730171124  076571624105  073456166403  067743444004  064602666320  061465370246
       TXI   95 ,VH  TXI   B*P9*U  TXI   B*H*9U  LGS   7V7SJ3  PAX   7I**U3        6*LM-4        602WT+        6*V*20
11110  055757132075  052614110061  047474723216  043773036660  040625513700  035504411400  032403472631  026637304365
             5***+*        5F*90/        4((***        4*,3W         46ER*0        3*4J*0        3O3PFI        2W*HLV
11120  023514235136  020411660745  014651264556  011524220445  006420153521  002663437347  000000000021  000000000254
             2**CR*  VLM   249W7N        1ORFN*        1*UB4N  TCOE  0U***A  TRCE* OFTL,P  HTR   00000A  HTR   00002*
11130  000000003266  000000041434  000000517427  000006433343  000101422335  001217270244  014631463146  200000000000
       HTR   0000*W  HTR   00C4*)  HTR   000RIG  HTR   006L.L        01IKC*        0**G2M        1O1O1O  TIX   +00000
11140  000000000040  000007011143  000005011152  003143432527  214360233021 -116031456024  216321602225 -034666604651
       HTR   00000-  HTR   0071GL  HTR   00519-  TEFC  OILLEG  TIX   AL CHA        R IN D  TIX   ATA BE        LOW OR
11150 -202221246024 -065144216360  006351252163 -203143432527  214360233021 -116021626071  255146606060  000000000041
       TNX   BAD F         ORMAT   TCOD  OTREAT  TNX   ILLEG   TIX   AL CHA        R AS Z  TIX   FRO     HTR   00000J
11160  000007011143  000005011152  000000000071  000010011165  000005011175  003143432527  214360233021 -116026465160
       HTR   0071GL  HTR   00519-  HTR   000002  HTR   00819V  HTR   00519*  TEFC  OILLEG  TIX   AL CHA         R FOR
11170 -036023464565  255162314645 -203146502421 -232160222543 -066660606060  006351252163 -203143432527  214360233021
             L CONV  TIX   ERSION  TNX    IN DA  TNX   TA BEL        OW      TCOD  OTREAT  TNX   ILLEG   TIX   AL CHA
11200 -116021626022 -132145426060 -206060606060 -206060606060 -206060606060  244645253360 -220760214524 -204751256262
             R AS B        LANK    TNX           TNX           TNX           TIX   DONE,   TNX   S2 AND  TNX    PRESS
11210 -206263215163 -206346602346 -056331456425  336060606060  000000000000  000160606060 -206060606060 -200033600060
       TNX   START   TNX   T C1          STINUE  TXH   .       HTR   000000        01      TNX           TNX    0. 0
11220 -236060603033 -206060606060 -236060606060  003360606060 -206060603360 -206060606060 -100000000000 -100000000000
       TXX       0.  TNX           TXX           TEFG* 0. 0    TNX       .   TNX           STR   000000  STR   000000
                     WORDS 11230 TO 11407 ALL CONTAIN -100000000000
                                                      STR   000000
```

```
11410 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000  000000000060
       STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  HTR   00000
                     WORDS  11420  TO  11427  ALL CONTAIN  000000000000
                                                      HTR   000000
11430  000000000000  000000000000  000000000000  000000000001  000000000040  000000000033  000000000025  000000000020
       HTR   000000  HTR   000000  HTR   000000  HTR   000001  HTR   00000-  HTR   00000.  HTR   00000E  HTR   00000+
11440  000000000014  000000000061  000000000026 -232660606060 -000000000000  000000000012  000000002321  000000200000
       HTR   00000'  HTR   00000T  HTR   00000F  TNX   TF             -00000  HTR   00000$  HTR   0000CA  HTR   000+00
11450  000000000000  000000000000  000000000004  000777777777  243000002272 -000000000000 -000000000006  037777777777
       HTR   000000  HTR   000000  HTR   000004         07****  TIX   DHGCR*         -00000         -00006         3*****
11460  000000000000  000000000001  056773000000 -000000000000 -100000000000  000000000001 -10 JC0000000  014606051160
       HTR   000000  HTR   000001         5X.000         -00000  STR   000000  HTR   000001  STR   000000          10659
11470 -100000000000 -100000000000 -100000000000  000000000060  000000000001 -206060606060  000000000000  000000000000
       STR   000000  STR   000000  STR   000000  HTR   00000   HTR   000001  TNX                  HTR   000000  HTR   000000
11500  000000000001 -206000000000  000000000000 -000000000000  000000000000  000000000024  000000000000  000000065116
       HTR   000001  TNX     0000  HTR   000000         -00000  HTR   000000  HTR   00000D  HTR   000000  HTR   0006R*
11510  262345656060  000000000001  243000000000  000000000210  306000000000  000000000253  220000000000  000000000200
       TIX   FCNV    HTR   000001  TIX   DH0000  HTR   000028  TXH   H 0000  HTR   00002$  TIX   R00000  HTR   000020
11520  200000000000  233000000000  266000000000  063400412172  062200011614  077100000022  062100011621  050000400003
       TIX   +00000  TIX   CH0000  TIX   F 0000  SXA   610JA=  STD   6B01*'  ARS   720008  STA   6A01*A  CLA   500-03
11530  062100011576  062200011543  062200011550  062200011560  062200011565  062200011554  050000400004  062100011571
       STA   6A01**  STD   6B01*L  STD   6B01*Q  STD   6B01*   STD   6B01*V  STD   6B01**  CLA   500-04  STA   6A01*Z
11540  063400111572  063400211573  056000012067  002000011545  056000012065 -062000011730 -062000011750  056000012070
       SXA   6109*=  SXA   610A*,  LDQ   5 01+X  TRA   0+01*N  LDQ   5 01+V  SLQ   0+01*H  SLQ   0+01*Q  LDQ   5 01+Y
11550  002000011552  056000012066 -062000011753  077400411705  002000011556  077400411601  063400411570  077400411672
       TRA   0+01*-  LDQ   5 01+W  SLQ   0+01*$  AXT   7(0J*S  TRA   0+01**  AXT   7(0J*1  SXA   610J*Y  AXT   7(0J*=
11560  002000011562  077400411601  063400411740  063400411756  063400411761  002000011570  060000012161  060000012162
       TRA   0+01*S  AXT   7(0J*1  SXA   610J*-  SXA   610J**  SXA   610J*/  TRA   0+01*Y  STZ   6001A/  STZ   6001AS
11570  007400211705  077400451772  077400170757  077400200000  002000400601  063400211577  007400213734  077400265723
       TSX   0(0A*5  AXT   7(0N*=  AXT   7(0*7*  AXT   7(0+00  TRA   0+0-01  SXA   610A**  TSX   0(0A*)  AXT   7(0F*C
11600  002000200001  063400211630  002000011603  007400211575  077400200000  044160012072  005400077777  002000011632
       TRA   0+0+01  SXA   610A*H  TRA   0+01*3  TSX   0(0A**  AXT   7(0+00  LDI * 4J 1+=  RFT   0*07**  TRA   0+01**
11610 -004600000000  077400400177 -005400077777 -073400400000 -300377411622  007400405646  100001011621  012172000121
       PIA   -00000  AXT   7(0-1*  LFT   -*07**  PDX   P(0-00  TXL   Y3*J*8  TSX   0(0-*0  TXI   8011*A         1A*01A
11620  000000012101  077400400377  100001411623  063400411726  177467411625  300000412073  077400477777  063400411725
       HTR   0001AL  AXT   7(0-3*  TXI   801J*C  SXA   610J*F  TXI   *(XJ*E  TXH   H00J+,  AXT   7(0P**  SXA   610J*E
11630  077400266210  002000200001  053400111602  063400112027  077400111643  063400111602 -062500012161 -005400077777
       AXT   7(0FS8  TRA   0+0+01  LXA   5109*2  SXA   6109+G  AXT   7(09*L  SXA   6109*2  STL   0E01A/  LFT   -*07**
11640  002000011610 -053400411624  002000011623  007400405646  100001011647  012172000145  000000012142 -062500012162
       TRA   0+01*8  LXD   N10J*D  TRA   0+01*C  TSX   0(0-*0  TXI   8011*P         1A*01N  HTR   0001AK  STL   0E01AS
11650  053400111727  063400112004  077400111730  063400111727  053400111747  063400112006  077400111750  063400111747
       LXA   5109*G  SXA   6109+4  AXT   7(09*H  SXA   6109*G  LXA   5109*P  SXA   6109+6  AXT   7(09*Q  SXA   6109*P
11660  053400111752  063400112010  077400111753  063400111752  050000012163  060 00011730  060100011750  050000012164
       LXA   5109*-  SXA   6109+8  AXT   7(09*$  SXA   6109*-  CLA   5001AT  STO   6101*H  STO   6101*Q  CLA   5001AU
11670  060100011753  002000011630  063400211703  060100012167 -060000012170  077400400001  100001411677  063400411675
       STO   6101*$  TRA   0+01*H  SXA   610A*3  STO   6101AX  STQ   0001AY  AXT   7(0-01  TXI   801J**  SXA   610J**
11700  007400211705  050000012167  056000012170  077400266040  002000200001  063400211720  007400211575  077400200000
       TSX   0(0A*5  CLA   5001AX  LDQ   5 01AY  AXT   7(0F -  TRA   0+0+01  SXA   610A*+  TSX   0(0A**  AXT   7(0+00
11710  052200011621 -075400400000  060160012072  100001411714  063400411726 -063400412166  077400477777  063400411725
       XEC   5801*A  PXD   P*0-00  STO * 61 1+=  TXI   801J*'  SXA   610J*F  SXD   010J*W  AXT   7(0P**  SXA   610J*E
11720  077400266210  002000200001  063400111734  063400211735  063400411736  077400277467  077400400070 -200001411740
       AXT   7(0FS8  TRA   0+0+01  SXA   6109*)  SXA   610A**  SXA   610J**  AXT   7(0G(X  AXT   7(0-0Y  TNX   01J*-
11730  060160012072  177777211732  063400211725  063400411726  077400170140  077400200000  077400451761  002000400001
       STO * 61 1+=  TXI   ***A*+  SXA   610A*E  SXA   610J*F  AXT   7(0*1-  AXT   7(0+00  AXT   7(0N*/  TRA   0+0-01
11740  007400211672  002000011725  063400111734  063400211735  063400411736  053400211725  053400411726 -200001411756
       TSX   0(0A**  TRA   0+01*E  SXA   6109*)  SXA   610A**  SXA   610J**  LXA   510A*E  LXA   510J*F  TNX   01J**
11750  060160012072  177777211752 -200001411760 -060060012072  177777211755  002000011732  007400211672  002000011745
       STO * 61 1+=  TXI   ***A*-  TNX   01J*    STQ * 00 1+=  TXI   ***A**  TRA   0+01**  TSX   0(0A**  TRA   0+01*N
11760  060100012172  007400211672  053400211725  053400411726  050000012172  002000011752  100000011774  077400277472
       STO   6101A=  TSX   0(0A*   LXA   510A*E  LXA   510J*F  CLA   5001A=  TRA   0+01*-  TXI   8001*(  AXT   7(0G(=
11770  077400452133  044100011  3  002000400001  000310000001  060400011773  063400402652  063400412172  063400411770
       AXT   7(0NA.  LDI   4J0A*,  TRA   0+0-01         038001  STI   6401*,  SXA   610-F-  SXA   610JA*  SXA   610J*Y
12000  063400211767 -052000 12162  002000012016  060000012162  077400200000  063400211727  077400200000  063400211747
       SXA   610A*X  NZT   N+01AS  TRA   0+01+*  STZ   6001AS  AXT   7(0+00  SXA   610A*G  AXT   7(0+00  SXA   610A*P
12010  077400200000  063400211752  077400212072  063400211730  063400211750  063400211753  052000012161  002000012026
       AXT   7(0+00  SXA   610A*-  AXT   7(0A+=  SXA   610A*H  SXA   610A*Q  SXA   610A*$  ZET   5+01A/  TRA   0+01*F
12020  007400211575  077400200000  044160012072  005400077777  002000012031  002000012020  060000012161  077400211603
       TSX   0(0A**  AXT   7(0+00  LDI * 4J 1+=  RFT   0*07**  TRA   0+01+1  TRA   0+01**  STZ   6001A/  AXT   7(0A*3
12030  063400211602  002000011767  100000012036  077400200000  077400451755  007000400001  063400402652  063400412172
       SXA   610A*2  TRA   0+01*X  TXI   8001**  AXT   7(0+00  AXT   7(0N**  TRA   0+0-01  SXA   610-F-  SXA   610JA=
12040  063400412034  063400212033  053500411725 -300002412063 -063400412166  177777412046 -075400400000  060100012162
       SXA   610J+)  SXA   610A+.  LAC   5*0J*E  TXL   Y02J*T  SXD   010JAW  TXI   ***J+0  PXD   P*0-00  STO   6101AX
12050  053400411675  063400412167  077400200000  050000012167  060160012072  007400211575  077400200001  063400211675
       LXA   510J**  SXA   610JAX  AXT   7(0+00  CLA   5001AX  STO * 61 1+=  TSX   0(0A**  AXT   7(0+01  SXA   610A**
12060  077400200000 -063400212166  002000012033  077400400003  002000012044  050060000000  056060000000  060160000000
       AXT   7(0+00  SXD   010AAW  TRA   0+01+.  AXT   7(0-03  TRA   0+01*M  CLA * 50 000  LDQ * 5  000  STO * 61 000
12070 -060060000000  000000000000  000000276074  007400405646  100001012077  012172000401  000000012121  002000011626
       STQ * 00 000  HTR   000000  HTR   000G (  TSX   0(0-*0  TXI   8011+*         1A*041  HTR   0001AA  TRA   0+01*F
12100 -206060606060  000000000046  000007012104  000006012113  004730706231  232143605125  234651246062  317125602567
       TNX           HTR   000000  HTR   0071A4  HTR   0061A=         0PHYSI  TIX   CAL RE  TIX   CORD S  TXH   IZE EX
12110  232525246260  226426262551 -206231712560  004751462325 -226260474651 -233146456046  266051252346 -112460314560
       TIX   CEEDS   TIX   BUFFER  TNX   SIZE            0PROCE  TNX   SS POR  TNX   TION 0  TIX   F RECO          RD IN
12120  226426262551  000000000047  000012012124  000004012136  003145632551 -052143604521  222543606646 -112460234664
       TIX   BUFFER  HTR   00000P  HTR   00*1AD  HTR   0041A*  TEFC  OINTER          NAL LA  TIX   BEL WO          RD COU
12130 -056360244625 -226345466360 -042163233060  314623626066 -065124602346 -244563606060  004751462325 -226260512523
               NT DUE  TNX   S NOT           MATCH  TXH   IUCS W          ORD CO  TNX   UNT             0PROCE  TNX   SS REC
12140 -065124605125  217460606060  000000000050  000006012145  000006012153  004331626360  256723252524 -226043462731
               ORD RE  TI    AD      HTR   00000Q  HTR   0061AN  HTR   0061A$  JAI   OLIST   TIX   EXCEED  TNX   S LOGI
12150  232143605125  233651246047  254527633060  006263465125 -207125514662 -203145601125 -042131453145  276043316263
       TIX   CAL RE  TIX   CORD L  TIX   FNGTH   TCUC* 0STORF  TNX   ZEROS   TNX   IN RE          MA,NIN  TIX   G LIST
12160 -203163254462  000000000000  000000000000 -075400000000  056000012165  000000000000  000000000000  000310000001
       TNX   ITEMS   HTR   000000  HTR   000000  PXD   P*0000  LDQ   5 01AV  HTR   000000  HTR   000000          038001
12170  000000075470 -100000000000  000000051755  263146226060  263146226060  063400412251  063400412675  050000400003
       HTR   0007*Y  STR   000000  HTR   0005**  TIX   FIOR    TIX   FIOH    SXA   610JBR  SXA   610JFE  CLA   500-03
12200  062100012543  062200012544  050000400004  060100012360  060100012341  0604000 2542  053400402652  050060400003
       STA   6A01FL  STD   6B01EM  CLA   500-04  STO   6101C   STO   6101CJ  STI   6401FK  LXA   510-F-  CLA * 50 -03
12210  062100012546  062100012364  062100012370  062100012337  062100012357 -052000012544  002000012231  062100012352
       STA   6A01FL  STA   6A01CU  STA   6A01CY  STA   6A01C*  STA   6A01C*  NZT   N+01EM  TRA   0+01BI  STA   6A01C-
12220  041000012630  062100012222 -053500403050  050000400601  077100000026  073400400000 -063400412360  177777412230
       ADD   4001FF  STA   6A01BB  LDC   N*0-HQ  CLA   500-01  ARS   72000F  PAX   10-00  SXD   010JC   TXI   ***IBH
```

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12230 -063400412547  053500400107  050000400007  073400400000 -063400412237  050060012546  073700400000  100306412740
       SXD   D10JEP  LAC   5*0-17  CLA   500-07  PAX   710-00  SXD   010JB*  CLA * 50 1E0  PAC   7*0-00  TXI   836JB-
12240  300000412254  052000012543  002000012560  052000012544  002000012254  053400412535 -300000412254  077400412535
       TXH   H00JB*  ZET   5+01EL  TRA   0+01E   ZET   5+01EM  TRA   0+01B*  LXA   510JE*  TXL   Y00JE*  AXT   710JE*
12250  063400412356  077400464103  044100012542  002000400001  077400404471  063400412356  053400412546  100001412260
       SXA   610JC*  AXT   7100J3  LDI   4J01EK  TPA   0+0-01  AXT   710-MZ  SXA   610JC*  LXA   510JED  TXI   801JB
12260  063400412267  100001412262  063400412263  044100003046  060000012550 -005400100000 -062500012550  044100003045
       SXA   610JBX  TXI   801JBS  SXA   610JBT  LDI   4J00H0  STZ   6001EG  LFT   -*0800  STL   0E01EQ  LDI   4J00HN
12270 -062500012552 -005400003000  060000012552  060000012551 -005400040000 -062500012551 -052000012543  002000012317
       STL   DE01E-  LFT   -*00H0  STZ   6001E-  STZ   6001ER  LFT   -*0400  STL   0E01ER  NZT   N+01EL  TRA   0+01C*
12300  052000012552  002000012310  052000012551  007400412362  044160012267 -005700003000  060460012267  002000012311
       ZET   5+01E-  TRA   0+01C8  ZET   5+01ER  TSX   010JCS  LDI * 4J 1BX  RIL   -*00H0  STI * 64 1BX  TRA   0+01C9
12310 -052000012551  007400412366  077400412372  052000012550  077400412565  063400412340  002000012251  052000012550
       NZT   N+01ER  TSX   010JCW  AXT   710JC*  ZET   5+01EQ  AXT   710JEV  SXA   610JC-  TRA   0+01BR  ZET   5+01EQ
12320  002000012553  052000012552  002000012326 -052000012551  007400412366  002000012251  052000012551  007400412362
       TRA   0+01E$  ZET   5+01E-  TRA   0+01CF  NZT   N+01ER  TSX   010JCW  TRA   0+01BR  ZET   5+01ER  TSX   010JCS
12330  044160012267 -005500001000 -005700002000  060460012267  002000012324  063400412346  007400404467  012422003110
       LDI * 4J 1BX  SIL   -*0080  RIL   -*00+0  STI * 64 1BX  TRA   0+01CD  SXA   610JCO  TSX   010-MX        1D8018
12340  012406012372  000000011702 -052000012544  002000012346 -053500412341 -063400412545  077400464067  002000400001
              1D61C*  HTR   0001*2  NZT   N+01EM  TRA   0+01CO  LDC   N*0JCJ  SXD   010JEN  AXT   7100-X  TRA   0+0-01
12350  052200012335  007400404471  000000003044  000311274466  002000012356  052200012335  007400412535  012432003110
       XEC   5801C*  TSX   010-MZ  HTR   0000HM        039GMW  TRA   0+01C*  XEC   5801C*  TSX   010JE*        1D+018
12360  000004011202  002000012346  052200012335  007400404463 -100000003110  002000012346  052200012335  007400404465
       HTR   0041*2  TRA   0+01CO  XEC   5801C*  TSX   010-MT  STR   000018  TRA   0+01CO  XEC   5801C*  TSX   010-MV
12370 -100000003110  002000012346  077400400042  052000012544  077400400051  063400412453  007400412442  060100012463
       STR   000018  TRA   0+01CO  AXT   710-0K  ZET   5+01EM  AXT   710-0R  SXA   610JD$  TSX   010JDK  STO   6101DT
12400 -060000012464  007400405646  100001012405  012625000242  000000012453  002000012336  077400400043  052000012544
       STQ   0001DU  TSX   010-*0  TXI   8011D5        1FE02K  HTR   0001D$  TRA   0+01C*  AXT   710-0L  ZET   5+01EM
12410  077400400052  063400412470  007400412442  060100012500 -060000012501  007400405646  100001012421  012625000253
       AXT   710-0-  SXA   610JDY  TSX   010JDK  STO   6101E0  STQ   0001E1  TSX   010-*0  TXI   8011DA        1FE02$
12420  000000012470  002000012336  007400412442  060100012520 -060000012521  007400405646  100001012431  012625000260
       HTR   0001DY  TRA   0+01C*  TSX   010JDK  STO   6101EA  STQ   0001EA  TSX   010-*0  TXI   8011DI        1FE02
12430  00000001251C  002000004073  007400412442  060100012532 -060000012533  007400405646  100001012441  012625000265
       HTR   0001E8  TRA   0+00-,  TSX   010JDK  STO   6101E+  STQ   0001F.  TSX   010-*0  TXI   8011DJ        1FE02V
12440  000000012522  002000004073  063400412451  053500412364 -050000400012  077100000014  056000012534 -076500000030
       HTR   0001EB  TRA   0+00-,  SXA   610JDR  LAC   5*0JCU  CAL   N00-0*  ARS   72000'  LDQ   5 01E)  LGR   PV000H
12450  050000400011  077400400000  002000400001  000000000000  000007012456  000003012465  002545246046  266026314325
       CLA   500-09  AXT   710-00  TRA   0+0-01  HTR   000000  HTR   0071D*  HTR   0031DV        0END 0  TIX   F FILE
12460 -205125212431 -052760606060 -206060606060 -206060606060 -206060606060  005125212460 -052567636026  314325606060
       TNX   READI         NG     TNX           TNY           TNX           IIR   OREAD          NEXT F  TXH   ILE
12470  00000000000C  000007012473  000006012502  004725514421 -052545636051  252124605125  246445242145  237060606060
       HTR   000000  HTR   0071D,  HTR   0061E2        OPERMA        NENT R  TIX   EAD RE  TIX   DUNDAN  TIX   CY
12500 -206060606060 -206060606060  005125234651  246064622524 -202162605125  212460633025 -200100006330 -206331442560
       TNX           TNX           IIR   ORECOR  TIX   D USED  TNX   AS RE  TIX   AD THE  TNX   100TH   TNX   TIME
12510  000000000053  000007012513  000007012616  002545244046  264022642626  255160256731 -236051252124  314527606060
       HTR   00000$  HTR   0071E=  HTR   0071F*        0END-0  TIX   F-BUFF  TIX   ER EXI  TNX   T READ  TXH   ING
12520 -206060606060  20606060606C  000000000054  000007012525  000007012616  002545244046  264022642626  255160256731
       TNX           TNX           HTR   00000*  HTR   0071EE  HTR   0071F*        0END-0  TIX   F-BUFF  TIX   ER EXI
12530 -236066513163  314527606060 -206060606060 -206060606060 -206060606060  007400406301  100001012541  014156000013
       TNX   T WRIT  TXH   ING     TNX           TNX           TNX           TSX   010-TI  TXI   8011EJ        1J*00=
12540  000000012360  002000012346  000000100000  000000000000  000000000000  077467000000  000000003110  000377000000
       HTR   0001C   TRA   0+01CO  HTR   000800  HTR   000000  HTR   000000  AXT   71X000  HTR   000018        03*000
12550  000000000000  000000012276  000000000000  007400405646  100001012557  012625000336  000000012570  002000004073
       HTR   000000  HTR   00018*  HTR   000000  TSX   010-*0  TXI   8011F*        1FE03*  HTR   0001EY  TRA   0+00-,
12560  007400405646  100001012564  012625000340  000000012603  002000004073  007400405642  100000012570  012625000342
       TSX   010-*0  TXI   8011EU        1FE03-  HTR   0001F3  TRA   0+00-,  TSX   010-*K  TXI   8001FY        1FE03K
12570  000000000066  000010012573  000007012616  006651316325 -205125506425 -226360461560 -244531636024  252631452524
       HTR   00000W  HTR   0081E,  HTR   0071F*  TCOG  OWRITE  TNX   REQUE  TNX   ST ON   TNX   UNIT D  TIX   EFINED
12600 -20216260627C -223145016031 -034325272143  000000000070  000010012606  000007012616  005125212460 -112550642562
       TNX   AS SY   TNX   SINI I        LLEGAL  HTR   00000Y  HTR   0081F6  HTR   0071F*  IIR   OREAD         REQUES
12610 -236046456064 -053163602425  263145252460  216260627062 -066401603143 -032527214360  004546604647 -233146452143
       TNX   T ON U         NIT DF  TIX   FINED   TIX   AS SYS         OUI IL         LEGAL         OND OP  TNX   TIONAL
12620 -207567316340  256725236463  314645606325 -114431452163  252433606 60  000000064103  263146626060  263146626060
       TNX   EXIT-   TIX   EXECUT  TXH   ION TE        RMINAT  TIX   ED.     HTR   0006J3  TIX   FIOS    TIX   FIOS
12630  000000000004  063400413667  063400412652  063400113535  063400213534  050000400004  062100013536  062200012666
       HTR   000004  SXA   610J*X  SXA   610-F-  SXA   6109**  SXA   610A*1  CLA   500-04  STA   6A01**  STD   6B01FW
12640  050000400003  062500013610  062100013542  062100012704  062200013100  062200013232  062200013244  062200013541
       CLA   500-03  STT   6F01*H  STA   6A01*K  STA   6A01G4  STD   6B0110  STD   6B01**  STD   6B01*M  STD   6B01*J
12650  062200013543  062200013416  062200013431  062200013445  062200013362  062200013411  062200013467  062200012703
       STD   6B01*L  STD   6B01)*  STD   6B01)I  STD   6B01)N  STD   6B01.S  STD   6B01)9  STD   6B01)X  STD   6B01G3
12660  077400213125  077400113145  007400406643  100002012667  013667000125  013202013207  000000013126  007400213614
       AXT   710A1E  AXT   7109IN  TSX   010-WL  TXI   8021FX        1*X01E        1+21+7  HTR   0001IF  TSX   010A*'
12670  050000012723  062200013066  060000013607  060000013572  063400013115  053400413536  052000013610  100001412700
       CLA   5001GC  STD   6B01HW  STZ   6001*7  STZ   6001*-  SXA   6)01I*  LXA   510J**  ZET   5+01*8  TXI   801JGO
12700  050000400004  062100012705  062100013576  002000012705  007400213707 -077400203313  056000200000  077400100044
       CLA   500-04  STA   6A01G5  STA   6A01**  TRA   0+01G5  TSX   010A*7  AXC   P10*.=  LDQ   5 0+00  AXT   7108OM
12710 -075400000000 -076300000006  073400400000  052200413023  040100013572 -076300000003  040100013572  036100013572
       PXD   P*0000  LGL   PT0006  PAX   710-00  XEC   580JHB  ADM   4101*   LGL   PT0003  ADM   4101**  ACL   3701**
12720  060200013572  200005112710  177777212706  002000013126  002000013126  002000013126  002000013023  002000013056
       SLW   6201*=  TIX   +0696B  TXI   ***AG6  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF  TRA   0+01HC  TRA   0+01H*
12730  002000013126  002000013126  002000013126  002000013356  002000013125  002000013126  002000013126  002000013126
       TRA   0+01IF  TRA   0+01IF  TRA   0+01IF  TRA   0+01.*  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF
12740  002000013126  002000013072  002000012721  002000013126  002000013126  002000013126  002000013126  002000013126
       TRA   0+01IF  TRA   0+01H-  TRA   0+01GA  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF
12750  002000013126  002000013126  002000013126  002000013375  0020000131[illegible]  002000013126  002000013126  002000013467
       TRA   0+01IF  TRA   0+01IF  TRA   0+01IF  TRA   0+01H*  TRA   0+01I[illegible]  TRA   0+01IF  TRA   0+01IF  TRA   0+01)X
12760  002000013126  002000013126  002000013103  002000013126  002000013126  002000013126  002000013106  002000013202
       TRA   0+01IF  TRA   0+01IF  TRA   0+01I3  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF  TRA   0+01I6  TRA   0+01*2
12770  002000013126  002000013232  002000013243  002000013125  002000013414  002000013431  002000013442  002000013126
       TRA   0+01IF  TRA   0+01**  TRA   0+01*L  TRA   0+01IF  TRA   0+01)$  TRA   0+01)I  TRA   0+01)K  TRA   0+01IF
13000  002000013126  002000013411  002000013126  002000013126  002000013126  002000013125  002000013126  002000013126
       TRA   0+01IF  TRA   0+01)9  TRA   0+01IF  TRA   0+01IF  TRA   0+01I[illegible]  TRA   0+01IF  TRA   0+01IF  TRA   0+01IF
13010  002000013126  076500000003 -076500000003 -076500000003  076500000003  076500000003 -076500000003 -076500000003
       TRA   0+01IF  LGR   PV0003  LGR   PV0003  LGR   PV0003  LGR   PV0003  LGR   PV0003  LGR   PV0003  LGR   PV0003
13020 -076500000003  076500000003 -076500000003  053400413605  100001413[illegible]  053400413605 -300002413043  053400413156
       LGR   PV0003  LGR   PV0003  LGR   PV0003  LXA   510J*5  TXI   801J[illegible]  LXA   510J*5  TXL   Y02JHL  LXA   510J1*
13030  063400413604  053400413157 -063400413605  053400[illegible]  06340[illegible]413[illegible]  056000013573  060100013603  053400413154
       SXA   610J*4  LXA   510J1*  SXD   [illegible]J*4  LXA   5[illegible]  SXA   [illegible]  LDQ   5601[illegible]  STO   6101*3  LXA   510J1*
13040  063400413602  053400413151 -063400413602  063400113156  [illegible]  056000013573  053400413572  063400413107
       SXA   610J*2  LXA   510J1R  SXD   010J*2  SXA   610J1*  [illegible]  LDQ   [illegible]  LXA   510J*-  SXA   610J17
13050  063400413154  053400413111  100001413653  063400413[illegible]  06340[illegible]  [illegible]013123 -077400413117  063400410513
       SXA   610J1*  LXA   510J1*  TXI   [illegible]JH$  SXA   [illegible]J1*  SXA   [illegible]  TRA   [illegible]  AXT   P10)1*  SXA   610J[illegible]
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13060  063400213122  063400113121 -060000013574  053400413572 -300000410513  063400410441  002000013531  050000012723
       SXA  610AIB   SXA  61091A   STO  0001*(   LXA  510J*=   TXL  Y00J5=   SXA  610J4J   TRA  0+01*I   CLA  5001GC
13070  062200013066  002000006672  007400413057 -077400213117  002000013540  050000013572  060100011502  002000013123
       STD  6801HW   TRA  0+00W*   TSX  010JH*   AXC  P(0AI*   TRA  0+01*-   CLA  5001*=   STO  6101*2   TRA  0+01IC
13100  002000013102  107513413236  107651413236  050200013572  060100013572  002000012721  007400413057  077400400000
       TRA  0+0112   TXI  8*-J+*   TXI  8*RJ+*   CLS  5201*=   STO  6101*=   TRA  0+01GA   TSX  010JH*   AXT  710-00
13110  200001413155  053400413605  300002413162  177777413114  063400413605  077400400001 -200001413142  063400413115
       TIX  +01JI*   LXA  510J*5   TXH  H02JIS   TXI  ***JI'   SXA  610J*5   AXT  710-01   TNX  01JIK    SXA  610JI*
13120  056000013574  077400100030  077400274461  060000013572  002000012721  007400213611  050060013576  060100013650
       LDQ  5 01*(   AXT  7(080H   AXT  710GM/   STZ  6001*=   TRA  0+01GA   TSX  010A*9   CLA * 50 1**  STO  610 *Q
13130  050000013576  063400413134  007400413626  060200013645   7400400000  007400405646  100001013141  013667000615
       CLA  5001**   SXA  610JI)   TSX  010J*F   SLW  6201*N        710-00   TSX  010-*U   TXI  8011IJ        1*X0*.
13140  000000013640  002000013142  050000012723  062200006571  0??000013531  050000013121  062200006571  062200013066
       HTR  0001*-   TRA  0+011K   CLA  5001GC   STD  680CWZ   T.   0+01*I   CLA  50011A   STD  6800WZ   STD  6801HW
13150  007400213540  077400400001  063400413115  063400413605  077400400000  063400413107  077400100044  077400274465
       TSX  010A*-   AXT  710-01   SXA  610JI*   SXA  610J*5   AXT  710-00   SXA  610JI7   AXT  71080M   AXT  710GMV
13160  056000013573  002000013123  053400413605  177777413164  063400413605  050000013604  062100013156  077100000022
       LDQ  5 01*,   TRA  0+01IC   LXA  510J*5   TXI  ***JIU   SXA  610J*5   CLA  5001*4   STA  6A01I*   ARS  720008
13170  062100013157  050000013603  060100013573  050000013602  062100013154  077100000022  062100013151 -053400413605
       STA  6A01I*   CLA  5001*3   STO  6101*,   CLA  5001*2   STA  6A01I*   ARS  720008   STA  6A01IR   LXD  N10J*5
13200  063400413107  002000013115 -050000013207  060200012713 -075400000000  060100011504  002000012721  002000013210
       SXA  610JI7   TRA  0+01I*   CAL  N001*7   SLW  6201G*   PXD  P*0000   STO  6101*4   TRA  0+01GA   TRA  0+01*C
13210 -300011413205  040200013570  010000012721 -050000013215  060200012713  052200413022  002000013217  300011413211
       TXL  Y09J+5   SUB  4201*Y   TZE  1001GA   CAL  N001+*   SLW  6201G*   XEC  580JHB   TRA  0+01+*   TXH  H09J+9
13220 -076500000003  040100011504 -076300000003  040100011504  036100011504  073400400000 -300021413205  077400400021
       LGR  PV0003   ADM  4101*4   LGL  PT0003   ADM  4101*4   ACL  3/01*4   PAX  710-00   TXL  Y0AJ+5   AXT  710-0A
13230  075400400000  002000013205  002000013242  050000012723  062200007105  077400406703  063400406674  053400413572
       PXA  7*0-00   TRA  0+01+5   TRA  0+01+K   CLA  5001GC   STD  680025   AXT  710-X3   SXA  610-W(   LXA  510J*=
13240  063400410502  002000013123  110366413236  053400413572  002000013310  056000011501  063400213122 -050000200000
       SXA  610J52   TRA  0+01IC   TXI  93WJ+*   LXA  510J*=   TRA  0+01.8   LDQ  5 01*1   SXA  610AIB   CAL  N00+00
13250  053400206700--200006113265  063400113253  077100000000  200001213262  053400206701  177777213257  056060011447
       LXA  510+X0   TNX  069+V    SXA  6109+S   ARS  720000   TIX  +01A+S   LXA  510+X1   TXI  ***A+*   LDQ * 5  1*P
13260  063400206701  077400200006 -076300000006 -200001413273  200006113254  053400113122  060200100000  177777113270
       SXA  610+X1   AXT  710+06   LGL  PT0006   TNX  01J+.    TIX  +06J+*   LXA  51091B   SLW  620800   TXI  ***9+Y
13270  063400113122  077400100044  002000013254  063400206700  053400213122 -060000011501  063400113121 -300006113306
       SXA  61091B   AXT  7(080M   TRA  0+01+*   SXA  610+X0   LXA  510AIB   STQ  0001*1   SXA  61091A   TXL  Y069.6
13300  056000200000 -077300100052 -060000013574 -200006113306  063400113305 -076300000000  060200200000  002000013120
       LDQ  5 0+00   RQL  P,080-   STQ  0001*(   TNX  069.6    SXA  6109.5   LGL  PT0000   SLW  620+00   TRA  0+01I+
13310 -050000011500 -014000013312  200006113316  077400100044  177777213315  056000200000 -076300000006 -014000013353
       CAL  N001*0   TNO  J-01'.*  TIX  +069.*   AXT  7(080M   TXI  ***A.*   LDQ  5 0+00   LGL  PT0006   TNO  J-01.$
13320  177777413321  052200010446  063400113352 -300005413331  177772113325  075400100000  062100013343  040200013313
       TXI  ***J.A   XEC  580140   SXA  6109.-   TXL  Y05J.1   TXI  ***9.E   PXA  7*0800   STA  6A01.L   SUB  4201.=
13330  062100013346  053400110446  052200010447  100001113334  063400110446  200006413343  100001413337 -300006413341
       STA  6A01.C   LXA  510940   XEC  58014P   TX.  8019.)   SXA  610940   TIX  +06J.L   TXI  801J.*   TXL  Y06J.J
13340  177771413343 -050000013566  002000013351 -076300000022  177777213345  056000200000 -076300000022  052200010446
       TXI  **ZJ.L   CAL  N001*W   TRA  0+01.R   LGL  PT0008   TXI  ***A.N   LDQ  5 0+00   LGL  PT0008   XEC  580140
13350  002000013332 -014000013352  077400100030  200001413312  060200011500  002000013123  053400413572 -060000013574
       TRA  0+01.+   TNO  J-01.=   AXT  7(080H   TIX  +01J.*   SLW  6201*0   TRA  0+01IC   LXA  510J*=   STQ  0001*(
13360  063400113121  063400213122  002000013401  056000011501  053400106700  200001113374  053400206701  177777213370
       SXA  61091A   SXA  610AIB   TRA  0+0111   LDQ  5 01*1   LXA  5108X0   TIX  +019.(   LXA  510+X1   TXI  ***A.Y
13370  200006413367  056060011447  063400206701  077400100006 -076300000006  200001413365  063400106700 -060000011501
       TIX  +06J.X   LDQ * 5  1*P  SXA  610+X1   AXT  710806   LGL  PT0006   TIX  +01J.V   SXA  6108X0   STQ  0001*1
13400  002000013120  063400010502 -077400213117  063400210513  300000413406  077400400001  063400410441  077400400000
       TRA  0+01I+   SXA  610152   AXC  P(0AI*   SXA  610A5=   TXH  H00J16   AXT  710-01   SXA  610J4J   AXT  710-00
13410  002000010435  002000013413  107523413236  107665413236  050200011502  060100011503  002000013421  050000013121
       TRA  0+014*   TRA  0+01)=   TXI  8*CJ+*   TXI  8*VJ+*   CLS  5201*2   STO  6101*3   TRA  0+01)A   CLA  5001IA
13420  002000013234  077400410404  063400406674  077400411434  063400410400  077400400001 -063400410407 -063400410413
       TRA  0+01+)   AXT  710J44   SXA  610-W(   AXT  710J*)   SXA  610J40   AXT  710-01   SXD  010J47   SXD  010J4=
13430  002000013237  002000013434  060000011503  002000013417  077400410273  063400406674  077400411430  063400410400
       TRA  0+01+*   TRA  0+01))   STZ  6001*3   TRA  0+01)*   AXT  710J2,   SXA  610-W(   AXT  710J*H   SXA  610J40
13440  077400400005  002000013426  077400413216  063400413202 -062500011476  002000013462  060000011503  053400407072
       AXT  710-05   TRA  0+01)F   AXT  710J+*   SXA  610J+2   STL  0F01'*   TRA  0+011S   STZ  6001*3   LXA  510-Y=
13450  063400407465  077400407143  063400407072  053400407102  063400407467  077400407264  063400407102  077400411505
       SXA  610-(V   AXT  710-ZL   SXA  610-Y-   LXA  510-Z2   SXA  610-(X   AXT  710-*U   SXA  610-Z2   AXT  710J*5
13460  063400407034  002000013417  077400407756  063400406674 -062500011477  077400400005  002000013426  002000013471
       SXA  610-Y)   TRA  0+01)*   AXT  710-**   SXA  610-W(   STL  0E01'*   AXT  710-05   TRA  0+011F   TRA  0+011Z
13470  107574413236  107703413236  063400413514  063400113516  063400213515  060000013610  050000010446  040200013571
       TXI  8*(J+*   TXI  8*3J+*   SXA  610J*'   SXA  6109**   SXA  610A**   STZ  6001*8   CLA  500140   SUB  4201*Z
13500 -010000013504  050000011500  040200013566  010000013505  007400213540  060000013605 -052000011476  002000013514
       TNZ  J001*4   CLA  5001*0   SUB  4201*W   TZE  1001*5   TSX  010A*-   STZ  6001*5   NZT  N+01'*   TRA  0+01*'
13510  060000011476  060000011477  077400413207  063400413202  077400474473  0774 0277472  077400177472  002000400001
       STZ  6001'*   STZ  6001'*   AXT  710J+7   SXA  610J+2   AXT  710PM,   AXT  710G!=   AXT  710*(=   TRA  0+0-01
13520  063400413514  063400213515  063400113516  060000013605 -052000011476  002000013514  060000011476  007400207460
       SXA  610J*'   SXA  610A**   SXA  6109**   STZ  6001*5   NZT  N+01'*   TRA  0+01*'   STZ  6001'*   TSX  010+(
13530  002000013514  052000013607  002000010505 -062500013607  077400277472  077400177472  077400474500  007000400001
       TRA  0+01*'   ZET  5+01*7   TRA  0+0155   STL  0E01*7   AXT  710G(=   AXT  710*(=   AXT  710PNO   TRA  0+0-01
13540  053400213544  002000013546  007400213707  002000013615  077400264274  002000200001  053400110446 -050000011500
       SXA  610A*M   TRA  0+01*0   TSX  010A*7   TRA  0+01*)   AXT  710FK(   TRA  0+0+01   LXA  510940   CAL  N001*0
13550  040200013566  010000013561 -050000011500  014000013554  056000013565 -076300000006 -014000013555  052200010446
       SUB  4201*W   TZE  1001*/   CAL  N001*0   TOV  1-01**   LDQ  5 01*V   LGL  PT0006   TNO  J-01**   XEC  580140
13560  100001113561 -211202113563  300002113564  077400100003  002000013542 -206060606060  000000000001  000000000020
       TXI  8019*/   TNX  /*29*T   TXH  H029*U   AXT  710803   TRA  0+01*K   TNX           HTR  000001   HTR  00000+
13570  000000000060  060200011202  000000000000  046773011100 -206  000000  000000000000  000000003313  000000000000
       HTR  00000    SLW  6201*2   HTR  000000        4X,190   TNX     000   HTR  000000   HTR  0000.=   HTR  000000
13600  000000000000  000000000000  000002000000  056773057400  053461000044  000000000000  076100000000  000000013534
       HTR  000000   HTR  000000   HTR  002000        5X,510   LXA  51700M   HTR  000000   NOP  710000   HTR  0001*)
13610  000000000000 -050000013566  060200011500  002000200001  063400213544 -050000013571  062100010446 -050000013566
       HTR  000000   CAL  N001*W   SLW  6201*0   TRA  0+0+01   SXA  610A*M   CAL  N001*Z   STA  6A0140   CAL  N001*W
13620  060200011500 -050000013565  060200011202  060200011203  060200011204  002000013544  013100000000 -077300000025
       SLW  6201*0   CAL  N001*V   SLW  6201*2   SLW  6201*3   SLW  6201*4   TRA  0+01*M   XCA  110000   RQL  P,000F
13630  050000013565  063400113636  077400100005  076700000003 -076300000003  200001113633  077400100000  002000400001
       CLA  5001*V   SXA  6109**   AXT  710805   ALS  7X0003   LGL  PT0003   TIX  +019*.   AXT  710800   TRA  0+0-01
13640  000000000037  000020013643  000004013663  002646514421 -236021636060 -206767676767 -332631516263 -206646512460
       HTR  00000*   HTR  00*1*L   HTR  0041*T   TRCF OF URMA  TNX  T AT     TNX  XXXXX    TXL  ,FIRST   TNX  WORD
13650 -276767676767 -336030216260  314343252721 -036023464563 -114643602330  215121236325 -116046516062 -072523312631
       TNX  XXXXXX   TXL  , HAS    TXH  ILLEGA        L CONT        ROL CH   TIX  ARACTE        R OR S        PECIFI
13660  256260634646 -204346445276  216043314525  006351252163 -202162602545  246046266026 -065144216360  000000064076
       TIX  ES TOO   TNX  LONG     TIX  A LINE   TCOD OTREAT   TNX  AS EN    TIX  D OF F        ORMAT    HTR  0006-*
13670  263146306060  263146306060  063400402652  063400413714  063400413706  007400412175  100002013707  013714000015
       TIX  FIDH     TIX  FIGH     SXA  610-F-   SXA  610J*'   SXA  610J*6   TSX  010JA*   TXI  8021*,        1*'00*
13700  000000000000  000000011202  007400412631  100002013707  013714000021  002000013707  000000074500  063400213712
       HTR  000000   HTR  0001*2   TSX  010JF1   TXI  8021*7        1*'0)A   TRA  0+01*7   HTR  000/NO   SXA  610A**
13710 -063400112360  007400412355  077400264236  002000200003  000000074500  266651246060  063400413740  063400402652
       SXA  010)C    TSX  010)C*   AXT  710FK*   TRA  0+0+01   HTR  000/NO   TIX  FWRD     SXA  610J*    SXA  610-F-
```

13720	063400413733	007400412175	100002013726	013740000007	000001000000	-300000612072	050000012547	007400411523
	SXA 610J*.	TSX 010JA*	TXI 8021*F	1*-007	HTR 001000	TXL Y00/**	CLA 5001EP	TSX 010J*C
13730	100002013734	013740000014	002000013734	000000051772	-053400412160	-063400412353	007400412350	002000200001
	TXI 8021*1	1*-00*	TRA 0*01*1	HTR 0005**	LXD N10JAM	SXD 010JC5	TSX 010JCQ	TRA 0*0*01
13740	000000051772	266651226060	063400413766	063400402652	063400413756	007400412175	100002013752	013766000015
	HTR 0005**	TIX FWRB	SXA 610J*W	SXA 610-F-	SXA 610J**	TSX 010JA*	TXI 8021*-	1*W00*
13750	000000000001	300000611447	007400412631	100002013757	013766000021	076100013757	000000053026	063400213764
	HTR 000001	TXH H00/*P	TSX 010JFI	TXI 8021**	1*W00A	NOP 01**	HTR 0005HF	SXA 610A*U
13760	007400412335	077400200001	063400206700	063400206701	077400265074	002000200001	000000053026	265124246060
	TSX 010JC*	AXT 710*01	SXA 610*X0	SXA 610*X1	AXT 710FQ1	TRA 0*0*01	HTR 0005HF	TIX FRUD
13770	063400414012	063400402652	063400414005	007400412175	100002014000	014012000006	000001000001	300000612072
	SXA 610J-*	SXA 610-F-	SXA 610J-5	TSX 010JA*	TXI 8021-0	TOV 1-*006	HTR 001001	TXH H00/**
14000	050000012547	007400411523	100002014006	014012000013	076100014006	000000052150	007400412335	-053400412545
	CLA 5001EP	TSX 010J*C	TXI 8021-6	TOV 1-*00*	NOP 7/01-6	HTR 0005AQ	TSX 010JC*	LXD N10JEN
14010	-063400411624	002000200001	000000052150	265124226060	063400414150	063400402652	063400414023	007400412631
	SXD 010J*C	TRA 0*0*01	HTR 0005AQ	TIX FRDR	SXA 610JJQ	SXA 610-F-	SXA 610J-C	TSX 010JFI
14020	100002014024	014150000010	002000114024	000000054215	063400214132	063400114062	077400100000	-075400000000
	TXI 8021-D	1J0008	TRA 0*09-D	HTR 0005K*	SXA 610JJ*	SXA 6109-S	AXT 710800	PXD P*0000
14030	056000011202	-076300000006	010060014137	077400200003	036000214146	002000014037	002060214137	200001214034
	LDQ 5 0192	LGL PT0006	TZE * 10 1J*	AXT 710*03	CAS 3-0AJ0	TRA 0*01-*	TRA * 0* AJ*	TIX +01A-1
14040	060000014140	002000014057	077400411000	002000014045	060000014140	050000014047	062200014072	002000014057
	STZ 6001J-	TRA 0*01-*	AXT 710J80	TRA 0*01-M	STZ 6001J-	CLA 5001-P	STD 6B01-*	TRA 0*01-*
14050	050000014146	062200014072	060000114121	177777114073	050000014141	060100014121	177777114040	050000014145
	CLA 5001J0	STD 6B01-*	STZ 6009JA	TXI ***9-,	CLA 5001JJ	STD 6101JA	TXI ***9--	CLA 5001JM
14060	-076500000006	-060000011202	077400200012	300014214077	-075400200000	040000014140	062200014142	050000014142
	LGR PV0006	STQ G001*2	AXT 710*0*	TXH H0*A-*	PXD P*0*00	ADD 4001J-	STD 6B01JK	CLA 5001JK
14070	060100114121	177777114072	076100014050	075400100000	073700100000	063400114120	002000014117	300024214115
	STD 6109JA	TXI ***9-*	NOP 7/01-Q	PXA 7*0800	PAC 7*0800	SXA 6109J*	TRA 0*01J*	TXH H0DAJ*
14100	177764214101	-075400200000	040000014140	062200014143	077400200014	111000214143	-063400214142	050000014142
	TXI **UAJ1	PXD P*0*00	ADD 4001J-	STD 6B01JL	AXT 710*0*	TXI 980AJ6	SXD 010AJK	CLA 5001JK
14110	060100114121	177777114112	050000014143	060100114121	002000014071	077400200010	002000014101	007400400706
	STD 6109JA	TXI ***9J*	CLA 5001JL	STD 6109JA	TRA 0*01-Z	AXT 710*08	TRA 0*01J1	TSX 010-76
14120	000000000001	076100000000	076100000000	076100000000	076100000000	050000014146	060100014121	060100014122
	HTR 000001	NOP 7/0000	NOP 7/0000	NOP 7/0000	NOP 7/0000	CLA 5001J0	STD 6101JB	STD 6101JB
14130	060100014123	060100014124	077400264236	002000200001	000000014054	000000014042	000000014040	000000014044
	STD 6101JC	STD 6101JD	AXT 710FK*	TRA 0*0*01	HTR 0001-*	HTR 0001-K	HTR 0001--	HTR 0001-M
14140	000000000000	001000000000	000012011202	000000011216	000000000020	000000000060	076100000000	-206060606060
	HTR 000000	080000	HTR 00*1*2	HTR 0001**	HTR 00000*	HTR 00000	NOP 7/0000	TNX
14150	000000054215	264751456060	000000000000	000000003074	000000003110	000000000026	000000000000	-244500066060
	HTR 0005K*	TIX FPKN	HTR 000000	HTR 0000HI	HTR 000018	HTR 00000F	HTR 000000	TNX UN06
14160	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	063400402652
	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	SXA 610-F-
14170	063400414240	050060400003	010000400001	012000014201	007400405646	100001014200	014240000014	000000014226
	SXA 610JK-	CLA * 50 -03	TZE 100-01	TPL 1*01K1	TSX 010-*0	TXI 8011K0	1K-00*	HTR 0001KF
14200	076000000003	060100014224	-032000014222	077100000001	040000014224	077100000001	040000014223	077400400003
	SSP 7 0003	STO 6101KD	ANA L*01KB	ARS 770001	ADD 4001KD	ARS 770001	ADD 4001KD	AXT 710-03
14210	060100014225	050000014224	024100014225	013100000000	030000014225	040200014222	200001414210	076000000011
	STO 6101KE	CLA 5001KD	FDP 2J01KE	XCA 110000	FAD 3001KE	SUB 4201KB	TIX +01JK8	FRN 7 0009
14220	053400414240	002000400001	001000000000	100400000000	-100000000000	-100000000000	000000000015	000004014231
	LXA 510JK-	TRA 0*0-01	080000	TXI 840000	STR Q00000	STR Q00000	HTR 00000*	HTR 0041K1
14230	0000C3014235	006250516374	-006734604546	-236021434346	-262524606060	002565214364	216325602646	-116020676060
	HTR 0031K*	TCOC OSQKTI	TCNH -X) NO	TNX T ALLO	TNX WED	0EVALU	TIX ATE FO	R +X
14240	000000000000	266250516060	100000014251	077400200001	077400100013	077400456345	044100014250	002000000001
	HTR 000000	TIX FSQR	TXI 8001KR	AXT 710*01	AXT 710*0=	AXT 710NTN	LDI 4J01K0	TRA 0*0-01
14250	000000000010	060400014250	063400402652	063400414461	063400414245	063400114244	063400214243	050060400003
	HTR 000008	STI 6401K0	SXA 610-F-	SXA 610JM/	SXA 610JKN	SXA 6109KM	SXA 610AKL	CLA * 50 -03
14260	062100014277	062100014311	062100014341	062100014327	062100014335	062100014307	073700400000	044100400001
	STA 6A01K*	STA 6A01L9	STA 6A01LJ	STA 6A01LG	STA 6A01L*	STA 6A01L7	PAC 7*0-00	LDI 4J0-01
14270	-005400002000	002000014243	053500400107	050000400007	007400214343	-300000414364	007400404463	-000000003060
	LFT -*00*0	TRA 0*01KL	LAC 5*0-17	CLA 500-07	TSX 010ALL	TXL Y00JLG	TSX 010-MT	-000H
14300	053500414277	044100400001	-005500001000	-005700002000	060400400001	007400214340	007400404501	014306003060
	LAC 5*0JK*	LDI 4J0-01	SIL -*0080	RIL -*00*0	STI 640-01	TSX 010AL-	TSX 010-N1	1L60H
14310	007400404463	-100000003060	053500414277	044100400001	-005700003000	060400400001	053500400107	050000400011
	TSX 010-MT	STR Q000H	LAC 5*0JK*	LDI 4J0-01	RIL -*00H0	STI 640-01	LAC 5*0-17	CLA 500-09
14320	007400214343	-300000414323	-005600004000	002000014243	007400214340	077400100001	007400404467	014411003060
	TSX 010ALL	TXL Y00JLG	LNT -*00-0	TRA 0*01KL	TSX 010AL-	AXT 710801	TSX 010-MX	1M90H
14330	014401014334	300047614351	050060014351	073400100000	007400404501	014336003060	200001114334	002000014243
	1M11L1	TXH H0P/LR	CLA * 50 1LR	PAX 710800	TSX 010-N1	1L*0H	TIX +019L1	TRA 0*01KL
14340	007400404465	-100000003060	002000200001	073400400000	-063400414347	050060014277	073700400000	100302414350
	TSX 010-MV	STR Q000H	TRA 0*0*01	PAX 710-00	SXD 010JLP	CLA * 50 1K*	PAC 7*0-00	TXI 832JLQ
14350	002000200001	000000074064	053500414277	-050000400012	077100000014	056000014363	-076500000030	050000400011
	TRA 0*0*01	HTR 0007-U	LAC 5*0JK*	CAL N00-0*	ARS 77000*	LDQ 5 01LT	LGR PV000H	CLA 500-09
14360	060100014377	-060000014400	002000200001	336060606060	007400214352	007400406301	100001014371	014461000155
	STO 6101L*	STQ 0001M0	TRA 0*0*01	TXH .	TSX 010AL-	TSX 010-T1	TXI 8011L7	1M/01*
14370	000000014421	002000014243	002221234262	-072123256051	255064256263	-203127454651	252460464560	-206060606060
	HTR 0001MA	TRA 0*01KL	TRCA OHACKS	PACE R	TIX EQUEST	TNX IGNOR	TIX ED ON	TNX
14400	-206060606060	007400214352	060100014432	-060000014433	007400405646	100001014410	014461000175	000000014422
	TNX	TSX 010AL-	STO 6101M*	STQ 0001M.	TSX 010-*0	TXI 8011M8	1M/01*	HTR 0001M8
14410	002000014326	007400214352	060100014450	-060000014451	007400405646	100001014420	014461000202	000000014440
	TRA 0*01LF	TSX 010AL-	STO 6101MQ	STQ 0001MR	TSX 010-*0	TXI 8011N4	1M/022	HTR 0001M-
14420	002000004073	000007014372	000000000060	000007014425	000004014434	004725514421	-052545636051	252124605125
	TRA 0*00-,	HTR 0071L*	HTR 00000	HTR 0071ME	HTR 0041M1	OPERMA	NENT R	TIX EAD RE
14430	246445242145	237060606060	-206060606060	-206060606060	005125234651	246004622524	-202162605125	212433606060
	TIX DUNDAN	TIX CY	TNX	TNX	IIR ORECOR	TIX D USED	TNX AS RE	TIX AD.
14440	006000000061	000007014443	000007014452	002545244046	264022642626	255160256731	-236051252124	314527606060
	HTR 00001/	HTR 0071ML	HTR 0071M-	0END-0	TIX F-BUFF	TIX T READ	TNX T ERAD	TXH ING
14450	-206060606060	-206060606060	004546604647	-233146452143	-202567316360	-006025672523	-246331464560	-232551443145
	TNX	TNX	0ND 0P	TNX TIONAL	TNX EXIT	TCNA - EXEC	TNX UTION	TNX TEPMEN
14460	216325243360	000000056345	262262636060	100000014471	077400200000	077400456235	044100014470	002000400001
	TIX ATED.	HTR 0005TN	TIX FBST	TXI 8001MZ	AXT 710*00	AXT 710NS*	LDI 4J01MY	TRA 0*0-01
14470	000000000010	060400014470	063400402652	063400414561	063400414465	063400214464	050060400003	062100014526
	HTR 000008	STI 6401MY	SXA 610-F-	SXA 610JN/	SXA 610JMY	SXA 610AMU	CLA * 50 -03	STA 6A01NF
14500	062100014541	073700400000	044100400002	-005400200000	002000014532	044100400001	-005400003000	002000014515
	STA 6A01NJ	PAC 7*0-00	LDI 4J0-02	LFT -*00*0	TRA 0*01N*	LDI 4J0-01	LFT -*00H0	TRA 0*01N*
14510	-005400040000	007400214525	-005500001000	060400400001	002000014516	-005600040000	007400214540	007400214525
	LFT -*0400	TSX 010ANE	SIL -*0080	STI 640-01	TRA 0*01N*	LNT -*0400	TSX 010AN-	TSX 010ANE
14520	-005700003000	060400400001	076100000000	076100000000	002000014464	007400404463	000000002734	053500414526
	RIL -*00H0	STI 640-01	NOP 7/0000	NOP 7/0000	TRA 0*01MU	TSX 010-MT	*0006	LAC 5*0JNF
14530	044100400001	002000200001	007409406301	100001014536	014561000057	000000014537	002000014464	000016014543
	LDI 4J0-01	TRA 0*0*01	TSX 010-T1	TXI 8011N*	1N/00*	HTR 0001N*	TRA 0*01MU	HTR 00*1NL

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14540  007400404465 -100000002734  002000 00001   005125506425 -226360634660 -265131632560  254626604645 -206445316360
       TSX   010-MV   STR   0000GI  TRA   0+0+01  IIR   OREQUE  TNX   ST TO   TNX   WRITE   TIX   EOF UN  TNX    UNIT
14550  216262312745  252460216260 -227062314501 -336270624664  017360465160 -227062474701 -203021626022  252545603127
       TIX   ASSIGN  TIX   ED AS   TNX   SYSINI  TXL   ,SYSOU        1, OR   TNX   SYSPPI  TNX    HAS B  TIX   EEN IG
14560 -054651252433  000000056235  262526636060  100000014571  077400200000  077400452007  044100014570  002000400001
       LCHF  NORED.  HTR   00055*  TIX   FEFT    TXI   EGOINZ  AXT   7(G+00  AXT   7(ON+7  LDI   4JOINY  TRA   0+0-01
14570  000000000010  060400014570  063400402652  063400414660  063400414565  063400214564  050060400003  062100014652
       HTR   000C0H  STI   640INY  SXA   610-F-  SXA   610J0   SXA   610JNV  SXA   610ANU  CLA * 50 -03  STA   6A010-
14600  062100014655  062100014657  073700400000  044100400002 -005400200000  002000014616  053500414657  044100400001
       STA   6A010*  STA   6A010*  PAC   7*0-00  LDI   4J0-02  LFT   -*0+00  TRA   0+010*  LAC   5*0J0*  LDI   4J0-01
14610 -005400002000 -005700003000 -005400003000  002000014624  007400214651  002000014564  007400406301  100001014622
       LFT   -*00+0  RIL   -*00HO  LFT   -*00HO  TRA   0+0100  TSX   0(0AGK  TRA   0+01NU  TSX   010-TI  TXI   801106
14620  014660300043  000000014623  002000014564  000015014634 -005600040000  007400214654  007400214651  053500414657
              10 OOL  HTR   0001OC  TRA   0+01NU  HTR   00*101  LNT   -*0400  TSX   0(0AO*  TSX   0(0AOR  LAC   5*0J0*
14630  044100400001 -005700003000  060400400001  002000014564  005125506425 -226360634660 -112566314524 -206445316360
       LDI   4J0-01  RIL   -*00HO  STI   640-01  TRA   0+01NU  IIR   OREGUE  TNX   ST TO          REWIND  TNX    UNIT
14640  216262312745  252460216260 -227062314501 -336062706246 -240173465160 -227062474701 -203021626022  252545603127
       TIX   ASSIGN  TIX   ED AS   TNX   SYSINI  TXL   , SYSU  TNX   UI,OR   TNX   SYSPPI  TNX    HAS B  TIX   EEN IG
14650 -054651252433  007400404463  200000003044  002000200001  007400404465 -100000003044  002000200001  000000003044
       LCHF  NORED.  TSX   0(L-MT  TIX   +000HM  TRA   0+0+01  TSX   010-MV  STR   0000HM  TRA   0+0+01  HTR   0000HM
14660  000000352007  265166636060  100000014570  077400277774  077400445331  044100014667  002000400001  000377000001
       HTR   0005+7  TIX   FRWT    TXI   8001JY  AXT   7(0S*(  AXT   7(0MSI  LDI   4J010X  TRA   0+0-01        03*001
14670  060400014667  053400402652  063400414664  063400214663  063400414716  002000100001  077400177774  002000014663
       STI   64010X  SXA   610-F-  SXA   610J0U  SXA   610AOT  SXA   610JP*  TRA   0+0801  AXT   7(0**(  TRA   0+010T
14700  063400114676  007400114662  053400114714  063400114725  007400414720  002000014676  063400114676  007400114662
       SXA   51090*  TSX   0(090S  LXA   5'09P'  SXA   6109PE  TSX   0(0JP*  TRA   0+010*  SXA   61090*  TSX   0(090S
14710  053400114711  063400114741  007400414733  002000014676  000000011722  000000011742  000000045331  266243223160
       LXA   5,09P*  SXA   6109PJ  TSX   0(0JP.  TRA   0+010*  HTR   0001*B  HTR   0001*K  HTR   0004$I  TIX   FSLBI
14720  063400414731  007400214751  073700400000 -063400414730  077400200000  007400411722  060100231760  177777214730
       SXA   610JPI  TSX   0(0APR  PAC   *0-00   SXD   010JPH  AXT   7(0+00  TSX   0(0J*B  STO   610C*   TXI   ***APH
14730  377401214725  077400463074  002000400001  063400414731  007400214751  076700000001  073700400000 -063400414747
       TXH   *(IAPE  AXT   7(00H(  TRA   0+0-01  SXA   610JPI  TSX   0(0APR  ALS   7X0001  PAC   7*0-00  SXD   010JPP
14740  077400200000  007400400000  060100231760  177777214744 -060060014742  100001214746  177776214747  300000214741
       AXT   7(0+00  TSX   0(0-00  STO   610C*   TXI   ***APH  STO * GO 1PK  TXI   801APO  TXI   ***APP  TXH   HOOAPJ
14750  002000014731  053400402652  050000400003  062100014726  062100014742  050060400004  002000200001  100000014765
       TRA   0+01PI  LXA   510-F-  CLA   500-03  STA   6A01PF  STA   6A01PK  CLA * 50 -04  TRA   0+0+01  TXI   8001PV
14760  077400277772  077400451407  044100014764  002000400001  000000000060  060400014764  063400402652  063400414761
       AXT   7(0G*=  AXT   7(0N'7  LDI   4J01PU  TRA   0+0-01  HTR   00000   STI   6401PU  SXA   610-F-  SXA   610JP/
14770  063400214760  063400415012  002000100001  077400171230  002000014760  063400114773  007400114757  053400115011
       SXA   610AP   SXA   610JQ*  TRA   0+0R 1  AXT   7(0*$H  TRA   0+01P   SXA   6109P,  TSX   0(09P*  LXA   510909
15000  063400115060  007400415052  002000014773  063400114773  007400114757  053400115011  063400115077  007400415065
       SXA   6109Q   TSX   0(0JQ-  TRA   0+01P,  SXA   6109P,  TSX   0(09P*  LXA   510909  SXA   61090*  TSX   0(0JQV
15010  002000014773  000000006664  000000051407  266243244660  100000015022  077400277611  077400444255  044100015021
       TRA   0+01P,  HTR   000OWU  HTR   0005'7  TIX   FSLDO   TXI   800108  AXT   7(0G*9  AXT   7(0MK*  LDI   4J010A
15020  002000400001  000310000001  060400015021  063400402652  063400415016  063400215015  063400415050  002000100001
       TRA   0+0-01         036001  STI   64010A  SXA   610-F-  SXA   610JQ*  SXA   610AQ*  SXA   610JQQ  TRA   0+0801
15030  077400177467  002000015015  063400115030  007400115014  053400115046  063400115060  007400415052  002000015030
       AXT   7(0*(X  TRA   0+C10*  SXA   6109QH  TSX   0(090'  LXA   510900  SXA   61090   TSX   0(0JQ-  TRA   0+010H
15040  063400115030  007400115014  053400115047  063400115077  007400415065  002000015030  000000011722  000000011742
       SXA   6109QH  TSX   0(090'  LXA   51090P  SXA   61090*  TSX   0(0JQV  TRA   (+01QH  HTR   0001*B  HTR   0001*K
15050  000000044255  266243224660  063400415063  007400215103  073700400000 -063400415062  077400200000  050000226120
       HTR   0004K*  TIX   FSLBO   SXA   610JQT  TSX   0(0AR3  PAC   7*0-00  SXD   010JQS  AXT   7(0+00  CLA   500B/+
15060  007400406664  177777215062  377773215057  077400462777  002000400001  063400415063  007400215103  076700000001
       TSX   0(0-WL  TXI   ***AQS  TXH   **,AQ*  AXT   7(00G*  TRA   0+0-01  SXA   610JQT  TSX   0(0AR3  ALS   7X0001
15070  073700400000 -063400415101  077400200000  050000226120  177777215075  056060015073  100001215077  007400400000
       PAC   7*0-00  SXD   010JRI  AXT   7(0+00  CLA   500B/+  TXI   ***AQ*  LDQ * 5  1Q,  TXI   801AQ*  TSX   0(0-00
15100  177776215101  300000215073  002000015063  053400402652  050000400003  062100015057  062100015073  050060400004
       TXI   ***ARI  TXH   HOOAQ,  TRA   0+010T  LXA   510-F-  CLA   500-03  STA   6A010*  STA   6A010,  CLA * 50 -04
15110  002000200001  100000015115  077400200000  077400451777  002000400001  063400402652  063400415232  063400415113
       TRA   0+0+01  TXI   8001R*  AXT   7(0+00  AXT   7(0N**  TRA   0+0-01  SXA   610-F-  SXA   610J-+  SXA   610JR=
15120  063400215112  050060400003  010000015135 -012000015135  034000015207  002000015135  002000015127  073700200000
       SXA   610AR$  CLA * 50 -03  TZE   1001R*  TMI   J+01R*  CAS   3-01-7  TRA   0+01R*  TRA   0+01RG  PAC   7*0+00
15130  050060215207  073400200000 -300000215135  060160400004  002000015112  050060400003 -032000015203  013100000000
       CLA * 50 A-7  PAX   7(0+00  TXL   YOOAR*  STO * 61 -04  TRA   0+01R$  CLA * 50 -03  ANA   L+01-3  XCA   110000
15140  077400400000  060000015204  075400000000  022100015205  076700400000 -060200015204  050000015234  004000015151
       AXT   7(0-00  STZ   6001-4  PXA   7*0000  DVP   2A01-5  ALS   7X0-00  ORS   0201-4  CLA   5001-)  TLQ   0-01RR
15150  177772415142 -050000015206  076700400006 -050100015204  060200015173  007400405646  100001015161  015232000061
       TXI   **=JRK  CAL   N001-6  ALS   7X0-06  ORA   N101-4  SLW   6201R,  TSX   0(0-*0  TXI   8011R/        1-+00/
15160  000000015162  002000004073  000000000057  000007015165  000007015174  004346273121  214360644531 -236045466360
       HTR   0001RS  TRA   0+00-,  HTR   00000*  HTR   0071RV  HTR   0071R(  OAT   OLOGIC  TIX   AL UNI  TNX   T NOT
15170  242526314525  246026465160 -252143642560 -206060606060  004546604647 -233146452143 -202567316360 -006025672523
       TIX   DEFINE  TIX   D FOR   TNX   VALUE   TNX                  ONO OP  TNX   TIONAL  TNX   EXIT    TCNA  - FXEC
15200 -246331464560 -232551443145  216325246060  000000077777  000000000000  000000000012 -206060606060  000000000022
       TNX   UTION   TNX   TERMIN  TIX   ATED    HTR   000(7**  HTR   000000  HTR   00000*  TNX                  HTR   00000B
15210  000000003210  000000014152  000000003211  000000003212  000000014153  000000014154  000000014160  000000003213
       HTR   0000+8  HTR   0001J-  HTR   0000+9  HTR   0000++  HTR   0001J$  HTR   0001J*  HTR   0001J   HTR   0000+-
15220  000000003214  000000003215  000000003216  000000003217  000000014161  000000014162  000000014163  000000014164
       HTR   0000+'  HTR   0000+*  HTR   0000+*  HTR   0000+*  HTR   0001J/  HTR   0001JS  HTR   0001JT  HTR   0001JU
15230  000000014165  000000014166  000000051777  266531466060  000000000001  000000000000  000000000001  000000000006
       HTR   0001JV  HTR   0001JW  HTR   0005**  TIX   FVIO    HTR   000001  HTR   000000  HTR   000001  HTR   000006
15240  000000000026  000000000377  000000000400  000000077777  000001000000  000017600000  015235000000  077777000000
       HTR   00000F  HTR   00003*  HTR   000040  HTR   0007**  HTR   001000  HTR   00* 00        1-*000        7**000
15250  100000000000 -000000000000 -200000000000 -300000000000 -206060606060 -050000200000  063400415263  073700400000
       TXI   800000         -00000  TNX   00000   TXL   Y00000  TNX                  CAL   N00+00  SXA   610J-T  PAC   7*0-00
15260  062200015261  100000415262  300000415265  077400400000  002000400001  062100015322  077100000022  062100015323
       STD   6801-/  TXI   800J-S  TXH   HOOJ-V  AXT   7(0-00  TRA   0+0-01  STA   6A01$B  ARS   7Z000B  STA   6A01$C
15270 -050000000107  077100000022  036100000107  042100015306  063400215320 -053400400107 -053400200107  062100015300
       CAL   N00017  ARS   7Z000B  ACL   3/0017  STA   6A01$6  SXA   610A$+  LXD   N10-17  LXD   N10+17  STA   6A01$0
15300 -050000400000 -032000015243  032200015322  010000015306  200001415300  002000015320 -050000200000 -032000015243
       CAL   N00-00  ANA   L+01-L  ERA   3R01$B  TZE   100156  TIX   +01J$0  TRA   0+01$+  CAL   N00+00  ANA   L+01-L
15310  032200015323  010000015314  200001215306  002000015320  050000015322  062160015306  050000015323  062160015300
       ERA   3801$C  TZE   1001$'  TIX   +01A$6  TRA   0+01$+  CLA   5001$B  STA * 6A 1$6  CLA   5001$C  STA * 6A 1$0
15320  077400200000  002000015263  000000000000  000000000000  063400415344  060400015372 -050000015350  077400400000
       AXT   7(0+00  TRA   0+01-T  HTR   000000  HTR   000000  SXA   610J$M  STI   6401$=  CAL   N001$0  AXT   7(0-00
15330  044160200000 -005400000100  002000015344 -077400400001  060260200000  007400400704  000005200000 -077400400001
       LDI * 4J +00  LFT   -*0010  TRA   0+01$M  AXC   P(0-01  SLW * 62 +00  TSX   0(0-74  HTR   005+00  AXC   P(0-01
15340  052060200000  002000015340 -050000004524  032200015371  077400400000  044100015372  010000400002  002000400001
       ZET * 5+ +00  TRA   0+01$-  CAL   N000ND  ERA   3H01$Z  AXT   7(0-00  LDI   4J01$=  TZE   100-02  TRA   0+0-01
15350  015351015370  073700200000 -012000015366 -050000200000  077100000022  062100015360  060000000135  052060000134
              1$R1$Y  PAC   7*0+00  TMI   J+01$W  CAL   N00+00  ARS   7Z000B  STA   6A01$   STZ   60001*  ZET * 5+ 011
15360  076200000006 -050000200001  062160000727  052260000727  060060000726  002000400001  060000200001  002000400001
       RPS   750000  CAL   N00+01  STA * 6A 07G  XEC * 5B 07G  STZ * 60 07F  TRA   0+0-01  STZ   600+01  TRA   0+0-01
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15370  300016004524 -132545745125  000000000000 -300000774044 -100000024000 -300000600000 -357777777570 -367777777777
       TXH   HO•ONC         $ENORE  HTR   000000  TXL   YOO•-M  STR   Q007-0  TXL   YOO 00  TXL   •••••Y  TXL   ••••••
15400 -377773777777  000004000000  004000000000  003000000000  050200477777  036100015236  062100015415  036100015236
       TXL   ••,•••  HTR   004000  TLQ   0-0000  TEFA  0H0000  CLS   520P••  ACL   3/01-•  STA   6A01••  ACL   3/01-•
15410  062100015430  060160004556 -050000400000 -032000015247 -076300000004  060200077603  050000400000  062200004556
       STA   6A01•H  STO • 61 ON•  CAL   N00-00  ANA   L+01-P  LGL   PT0004  SLW   6207•3  CLA   500-00  STD   6B00N•
15420 -07340010000C  100002115427  073400200000  076700000022  062260004556  050000015430  002000015440  050000004556
       PDX   P)0500  TXI   8029•8  PAX   7)0+00  ALS   7X000B  STD • 6B ON•  CLA   5001•H  TRA   0+01•-  CLA   5000N•
15430  060000077604  062160015430  060100077605 -200001215444  075400100000  036100015430  062160015430  062100015430
       STZ   6007•4  STA • 6A 1•H  STO   6107•5  TNX   01A•M  PXA   7•0800  ACL   3/01•H  STA • 6A 1•H  STA   6A01•H
15440  036100015236 -032000015243  062100015432  002000015427  050000015430  062160015415  177777404667  000000002715
       ACL   3/01-•  ANA   L+01-L  STA   6A01••  TRA   0+01•G  CLA   5001•H  STA • 6A 1••  TXI   •••-0X  HTR   0000G•
15450 -100000000000 -050000015466  053500104545  060200015463  075400100000 -076500000017  056400015235  007400400721
       STR   Q0000C  CAL   N001•W  LAC   5•08NN  SLW   6201•T  PXA   7•0800  LGR   PV000•  ENB   5U01-•  TSX   0(0-7A
15460  060200021020  007400400706  000000000002 -000000000000  000001021020  007400400713 -000003020367  077400115705
       SLW   6202#•  TSX   0(0-7.  HTR   000002         -00000  HTR   00128•  TSX   0(0-7*         -0323X  AXT   7(09•5
15470  060000021017 -050000477777  077100000041  004400000000  050000477777 -073400200000  300000215513  063400415500
       STZ   60028•  CAL   NOOP••  ARS   7Z000J  PAI   0M0000  CLA   500P••  PDX   P)0+00  TXH   HOOA•=  SXA   6)0J•0
15500 -077400273417  177776215515  062100016062  050000017475  062100200001 -032000200001 -010000015451  044100015625
       AXC   P(0G)•  TXI   •••A••  STA   6A01 S  CLA   5001(•  STA   6A0+01  ANA   L+0+01  TNZ   J001•R  LDI   4J01•E
15510  077400116005  050000400000  177777415513  073400200000  177777215515  063400215654  062200015623  063400416524
       AXT   7(09 5  CLA   500-00  TXI   •••J•=  PAX   7)0+00  TXI   •••A••  SXA   6)0A••  STD   6B01•C  SXA   6)0JVD
15520  063400115613  005600000200  002000015554  007400415645  002000015542  053500115614 -063400115531 -073400100000
       SXA   6)09••  RNT   0•0020  TRA   0+01••  TSX   0(0J•N  TRA   0+01•K  LAC   5•09••  SXD   0)09•I  PDX   P)0800
15530 -073400400000  177777415532 -075400400000  062260015654  053400215654  063400215537 -005500020000 -075400103150
       PDX   P)0-00  TXI   •••J••  PXD   P•0-00  STD • 6B 1••  LXA   5)0A••  SXA   6)0A••  SIL   -•0200  PXD   P•0810
15540  007400116205  002000015523 -005400040002  002000015675  050000016062  062100200002  076700000022  062200200004
       TSX   0109S5  TRA   0+01•C  LFT   -•0402  TRA   0+01••  CLA   5001 S  STA   6A0+02  ALS   7X000B  STD   6B0+04
15550 -050000015537 -005400020000  062100200003  002000015603  007400415645  002000015577 -053400115623 -300000115577
       CAL   N001••  LFT   -•0200  STA   6A0+03  TRA   0+01•3  TSX   0(0J•N  TRA   0+01••  LXD   N)09•C  TXL   Y009••
15560  052000021017  007400415565  050000015654  062100021017  002000015554  050060021017  073400100000 -063400115571
       ZET   5+028•  TSX   0(0J•V  CLA   5001••  STA   6A028•  TRA   0+01••  CLA • 50 28•  PAX   7)0800  SXD   0)09•Z
15570 -073400100000  100000115572 -075400100000  062260021017 -076000000003  007400116205  002000400001 -005400060000
       PDX   P)0800  TXI   8009•=  PXD   P•0800  STD • 6B 28•  SSM   P 0003  TSX   0(09S5  TRA   0+0-01  LFT   -•0600
15600 -005400000002  002000015617  007400416201  053500416062 -005400020000  002000015612 -005400002000  002000015632
       LFT   -•0002  TRA   0+01••  TSX   0(0JS1  LAC   5•0J S  LFT   -•0200  TRA   0+01••  LFT   -•0(+0  TRA   0+01••
15610  050200015244  007400116205  056400000735  007400415705  000000003110 -004600000000  062200200001 -053400115623
       CLS   5201-M  TSX   0(09S5  ENB   5U007•  TSX   0(0J•5  HTR   000018  PIA   -00000  STD   6B0+01  LXD   N)09•C
15620 -200001115625 -063400115623  005600000200 -300000015554  002000015523  005600000200 -052000021017  002000004650
       TNX   019•E  SXD   0)09•C  RNT   0•0020  TXL   Y001••  TRA   0+C1•C  RNT   0•0020  NZT   N+028•  TRA   0+000Q
15630  007400415565  002060015627 -050000400001  005600000200 -076000000003  040000016035  060200400001 -032000015245
       TSX   0(0J•V  TRA • 0+ 1•G  CAL   N00-01  RNT   0•0020  SSM   P 0003  ADD   4001 •  SLW   620-01  ANA   L+01-N
15640  010000015610  032200016035  005400000200  010000015610  002000015612  050000015654  036100015236  062100015654
       TZE   1001•8  ERA   3801 •  RFT   0•0020  TZE   1001•8  TRA   0+01••  CLA   5001••  ACL   3/01-•  STA   6A01••
15650  005600000200 -005700020000  044500015376  056400015235 -050000004360  073700200000  062100015614  062100004556
       RNT   0•0020  RIL   -•0200  RIS   4N01$•  ENB   5U01-•  CAL   N000L  PAC   7•0+00  STA   6A01••  STA   6A00N•
15660 -032000015252  004300000000  050060015654 -005600600000  002000015666  002000400002  005400000200  062200200002
       ANA   L+01--  DAI   0L0000  CLA • 50 1••  LNT   -•0 00  TRA   0+01•W  TRA   0+0-02  RFT   0•0020  STD   6B0+02
15670  050000200001 -005700700000 -032000021012  004300000000  002000400001  007400416371  007400400706  000000000003
       CLA   500+01  RIL   -•0Y00  ANA   L+028•  DAI   0L0000  TRA   0+0-01  TSX   0(0JTZ  TSX   0(0-76  HTR   000003
15700 -000002020365 -000003200011  000006020401  007400400711  002000016002  005500002000 -005600060000  002000015713
              -0223V         -03+09  HTR   006241  TSX   0(0-79  TRA   0+01 2  SIR   0•00+0  LNT   -•0600  TRA   0+01•=
15710  050060200003  036100015236  062160200003  050000200003  002000015715 -005600003000 -005600040000  002000015723
       CLA • 50 +03  ACL   3/01-•  STA • 6A +03  CLA   500+03  TRA   0+01••  LNT   -•00H0  LNT   -•0400  TRA   0+01•C
15720 -005400003000  002000015746  007400417756  005600000004  007400416220  005400000004  002000015741 -050000016113
       LFT   -•00H0  TRA   0+01•0  TSX   0(0J••  RNT   0•0004  TSX   0(0JS•  RFT   0•0004  TRA   0+01•J  CAL   N001/=
15730  005600000002  036100015244  062200015734  007400420326  000003200000  005400000006  002000015741 -005500000002
       RNT   0•0002  ACL   3/01-M  STD   6B01•)  TSX   0(0K3F  HTR   003+00  RFT   0•0006  TRA   0+01•J  SIL   -•0002
15740  007400416326 -005400020000  052000021017 -005700030031 -005700040000  002000015615  007400420060  005600000005
       TSX   0(0JTF  LFT   -•(200  ZET   5+028•  RIL   -•0301  RIL   -•0400  TRA   0+01••  TSX   0(0K0   RNT   0•0005
15750  002000015753  005600000002  002000015760  007400420326  000007200000  076100000000 -005400000400 -100000000000
       TRA   0+01•$  RNT   0•0002  TRA   0+01•   TSX   0(0K3F  HTR   007+00  NOP   7/0000  LFT   -•0040  STR   Q00000
15760  053500416062 -063400215764  050000400001  073400100000  174670115765 -300000115770  073700400000  002000015762
       LAC   5•0J S  SXD   0)0A•U  CLA   500-01  PAX   7)0800  TXI   •0Y9•V  TXL   Y009•Y  PAC   7•0-00  TRA   0+01•S
15770  050000200001  062100400001  005600000005  002000015776  005600000002  002000015741  002000015723 -005600040000
       CLA   500+01  STA   6A0-01  RNT   0•0005  TRA   0+01••  RNT   0•0002  TRA   0+01•J  TRA   0+01•C  LNT   -•0400
16000  002000016011 -005500040004  005400000200  002000015615  002000004645 -005600020000  177776416011 -005500010004
       TRA   0+01 9  SIL   -•0404  RFT   0•0020  TRA   0+01••  TRA   0+000N  LNT   -•0200  TXI   •••J 9  SIL   -•0104
16010  002000015615 -005500010004 -005400000002  002000015675 -005600020000  002000016026  050060200003  073400100000
       TRA   0+01••  SIL   -•0104  LFT   -•0002  TRA   0+01••  LNT   -•0200  TRA   0+01 F  CLA • 50 +03  PAX   7)0800
16020  177777116021  310000116111  075400100000  062160200003  050000200003  002000016026  063400416037  056000200000
       TXI   •••9 A  TXH   1009/9  PXA   7•0800  STA • 6A +03  CLA   500+03  TRA   0+01 F  SXA   6)0J •  LDQ   5 0+00
16030 -077300000022  016200016117  050000016207  062100200004  007400400704  000000200000  007400417744  077400465407
       RQL   P,000B  TQP   1S01/•  CLA   5001S7  STA   6A0+04  TSX   0(0-74  HTR   000+00  TSX   0(0J•M  AXT   7(00•7
16040  050000477777  012000016045 -032000015250 -010000016102  002000016047  007400420326  000003200000 -050000015252
       CLA   500P••  TPL   1+01 N  ANA   L+01-Q  TNZ   J001/2  TRA   0+01 P  TSX   0(0K3F  HTR   003+00  CAL   N001--
16050  032000200005  062200200003 -005400003000  002000016064  007400416201 -005400000400 -100000000000 -075400000000
       ANS   3+0+05  STD   6B0+03  LFT   -•00H0  TRA   0+01 U  TSX   0(0JS1  LFT   -•0040  STR   Q00000  PXD   P•0000
16060  062100200001  007400117150  076100077602  002000016001 -005600003000  002000016071 -050000004556  062100004543
       STA   6A0+01  TSX   0(09ZQ  NOP   7/07•2  TRA   0+01 1  LNT   -•00H0  TRA   0+01 Z  CAL   N000N•  STA   6A00NL
16070  002000016001 -005400000400 -100000000000  007400416201  053500416062  050000400001  062100200001  050000004556
       TRA   0+01 1  LFT   -•0040  STR   Q00000  TSX   0(0JS1  LAC   5•0J S  CLA   500-01  STA   6A0+01  CLA   5000N•
16100  062100400001  002000116001 -005600003000  002000016105  002000016066 -005400003000  002000016073  007400416201
       STA   6A0-01  TRA   0+01 1  LNT   -•00H0  TRA   0+01/5  TRA   0+01 W  LFT   -•00H0  TRA   0+01 ,  TSX   0(0JS1
16110  002000016057  007400400706  000000000002 -000003200011  000007020372  007400400711  002000016002  050000200005
       TRA   0 01 •  TSX   0(0-76  HTR   000002         -03+09  HTR   00723=  TSX   0(0-79  TRA   0+01 2  CLA   500+05
16120 -012000016124 -050000200007  007400416341  007400400712  050000016123  062500200000  002000016032 -005400003000
       TMI   J+01/C  CAL   N00+07  TSX   0(0JTJ  TSX   0(0-7•  CLA   5001/C  STT   6F0+00  TRA   0+01 •  LFT   -•00H0
16130  002000100001 -053400404546 -300000416130  007400420326  000003200000  002000100001  000000000000  005500000020
       TRA   0•0801  LXD   N)0-N0  TXL   Y00J/H  TSX   0(0K3F  HTR   003+00  TRA   0+0801  HTR   000000  SIR   0•000•
16140  177777416141  063400416524  050000477777  062100004547  062200004550 -005600040004  002000016424 -005400003000
       TXI   •••J/J  SXA   6)0JVD  CLA   500P••  STA   6A00NP  STD   6B00N0  LNT   -•0404  TRA   0+01UD  LFT   -•00H0
16150  002000004643  007400416201 -005400000020  007400117150 -005700000020  063400016767  007400416515  007400117205
       TRA   0+000L  TSX   0(0JS1  LFT   -•000•  TSX   0(09ZQ  RIL   -•000•  SXD   0)01XX  TSX   0(0JV•  TSX   0(09=5
16160  007400117002  000000016646  000000016647  000000016727 -005600003000 -005600040000  002000004643 -005400003000
       TSX   0(09Y2  HTR   0001W0  HTR   0001WP  TRA   0+01XG  LNT   -•00H0  LNT   -•0400  TRA   0+000L  LFT   -•00H0
16170  002000016172  002000004643  007400416201  007400416515  007400117350  007400117443  000000016647  000000016646
       TRA   0+C1/•  TRA   0+000L  TSX   0(0JS1  TSX   0(0JV•  TSX   0(09,Q  TSX   0(09(L  HTR   0001WP  HTR   0001W0
16200  002000016735  050000200004 -073400100000  063400116062  002000400001  005400000200  076000000003  056400015235
       TRA   0+01X•  CLA   500+04  PDX   P)0800  SXA   6)09 S  TRA   0+0-01  RFT   0•0020  SSP   7 0003  ENB   5U01-•
16210  040060016062  012000016215  062260016062  056400000735  002000100001 -050000016217  002000015452 -000003020407
       ADD • 40 1 S  TPL   1+01S•  STD • 6B 1 S  ENB   5U007•  TRA   0+0801  CAL   N001S•  TRA   0+01•-         -03247
16220  063400416260 -050000200005  076700000004  010000016255  007400416371  056000200007 -060000020422  050000200003
       STA   6)0JS  CAL   N00+05  ALS   7X0004  TZE   1001S•  TSX   0(0JT7  LDQ   5 0+07  STQ   0002+8  CLA   500+03
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16230  007400400715 -060000020424  050000200005  007400400716 -060000020433  056000015254 -005400003000  002000016242
       TSX   0(0-7*  STQ   00024D  CLA   500+05  TSX   0(0-7*  STQ   00024.  LDQ   5 01-*  LFT   -*00H0  TRA   0+01SK
16240  050000200005  007400400715 -060000020436  050000020440 -005400003000  050000020441  060100020434  007400400706
       CLA   500+05  TSX   0(0-7*  STQ   00024*  CLA   50024-  LFT   -*00H0  CLA   50024J  STO   61024)  TSX   0(0-76
16250  000000000004 -000007020365 -000003200011  000006020421  004011020427 -050000015252  032000200005  062200200003
       HTR   000004         -0223V        -03+09  HTR   00624A  TLQ   0-924G  CAL   N001--  ANS   3+0+05  STD   680+03
16260  077400462054  002000400001  056400015235  063400416302 -005600020000  002000016272  050060200003 -073400100000
       AXT   7(00**  TRA   0+0-01  ENB   5U01-*  SXA   610JT2  LNT   -*0200  TRA   0+01S=  CLA * 50 +03  PDX   P10800
16270  177777116271 -310000116277 -050060016062 -073400400000 -300000416304  040200015244  062260016062 -075400100000
       TXI   ***9SZ  TXL   2009S*  CAL * N0 1 S  PDX   P10-00  TXL   Y00JT4  SUB   4201-M  STD * 6B 1 S  PXD   P*0800
16300 -005400020000  062260200003  077400460610  002000400002  053400416302  002000400001  053500416062 -005600020000
       LFT   -*0200  STD * 6B +03  AXT   7(006B  TRA   0+0-02  LXA   510JT2  TRA   0+0-01  LAC   5*0J S  LNT   -*0200
16310  002000016320  063400116317  050060200003 -073400100000  036100015244  062260200003 -310000116324  077400160455
       TRA   0+01T+  SXA   6109T*  CLA * 50 +03  PDX   P10800  ACL   3/01-M  STD * 6B +03  TXL   2009TD  AXT   7(0*4*
16320 -05000040000C  040000015244  062200400000  002000100001  053400116317  002000100001  063400416337  007400416371
       CAL   N00-00  ADD   4001-M  STD   680-00  TRA   0+0801  LXA   5109T*  TRA   0+0801  SXA   610JT*  TSX   0(0JTZ
16330 -050000200007  060200020447  007400400706  000000000003 -000007020365 -000003200011  004003020445  077400462040
       CAL   N00+07  SLW   62024P  TSX   0(0-76  HTR   000003         -0223V        -03+09  TLQ   0-324N  AXT   7(00*-
16340  002000400001  063400416364  050200020447  007400416371  050000016366 -005400003000  002000016350  002000016353
       TRA   0+0-01  SXA   610JTU  SLW   62024P  TSX   0(0JTZ  CLA   5001TW  LFT   -*00H0  TRA   0+01TQ  TRA   0+01T$
16350  050000016367 -005400000400 -100000000000  060100016360  007400400706  200000000004 -000002020365 -000003200011
       CLA   5001TX  LFT   -*0040  STR   000000  STO   6101T   TSX   0(0-76  TIX   +00004         -0223V        -03+09
16360 -00000000000C  000002020446  050000016354  062500200000  077400400000  002000400001 -000001020450 -000002020450
              -00000  HTR   002240  CLA   5001T*  STI   6E0+00  AXT   7(0-00  TRA   0+0-01         -01240        -0224Q
16370  000000000004  063400416377  077400400000  056060200000  056400015235  007400400714  060200020366  077400461451
       HTR   000004  SXA   610JT*  AXT   7(0-00  LDQ * 5  +00  ENB   5U01-*  TSX   0(0-7*  SLW   62023W  AXT   7(00*R
16400  002000400001  050600017372  063400116422 -073400100000  075400000000  002000016407  036100177606  200001116406
       TRA   0+0-01  CLA * 50 1*=  SXA   6109UB  PDX   P10800  PXA   7*0000  TRA   0+01U7  ACL   3/0**6  TIX   +019U6
16410 -013000000000  060000021020 -062000021020 -013000000000  076700000022  036100021020  076000000001  002000016421
       XCL   JH0000  STZ   60028*  SLQ   0+028*  XCL   JH0000  ALS   7X0008  ACL   3/028*  LBT   / 0001  TRA   0+01UA
16420  036100015244 -013000000000  077400100000  002100100001  050000400000 -032000015250 -005700100000  004300000000
       ACL   3/01-M  XCL   JH0000  AXT   7(0800  TTR   0A0801  CLA   500-00  ANA   L+01-0  RIL   -*0800  OAI   0L0000
16430  177777416431  063400416524  002000016440 -005400000400 -100000000000 -005400000040 -005700000004 -005500010000
       TXI   ***JUI  SXA   610JVD  TRA   0+01U-  LFT   -*0040  STR   000000  LFT   -*000-  RIL   -*0004  SIL   -*0100
16440  007400116474  053500404547  063400421016 -300000400713  005400000200  007400417576  056000004545 -077300000022
       TSX   0(09U(  LAC   5*0-NP  SXA   6)0K8*  TXL   Y00-7=  RFT   0*0020  TSX   0(0J**  LDQ   5 00NN  RQL   P,0008
16450  002000004645 -050000015250  002000016456  050000017064  062200200003 -050000016407  005600000001  036100015251
       TRA   0+000N  CAL   N001-Q  TRA   0+01U*  CLA   5001YU  STD   680+03  CAL   N001U7  RNT   0*0001  ACL   3/01-R
16460  002000016462 -050000016461  077100000022  062500004545  050060200002  062100004551  007400116474 -053500404550
       TRA   0+01US  CAL   N001U/  ARS   7Z0008  STT   6E00NN  CLA * 50 +02  STA   6A00NR  TSX   0(09U(  LDC   N*0-NQ
16470  002000016442  007400116474 -053500404546  002000016442  053400416524 -063400404551  052000021016  002000016512
       TRA   0+01UK  TSX   0(09U(  LDC   N*0-N0  TRA   0+01UK  LXA   510JVD  SXD   0)0-NR  ZET   5+028*  TRA   0+01V$
16500 -005400100000  002000016513  002000016504  177777416504 -050000477777 -076500000042  010000016510  016200016503
       LFT   -*0800  TRA   0+01V=  TRA   0+01V4  TXI   ***JV4  CAL   N00P**  LGR   PV000K  TZE   1001VB  TQP   1501V3
16510  063400416524  002000016513  053400421016 -063400404545  002000100001  050060200002  060000004552  012000016523
       SXA   610JVD  TRA   0+01V=  LXA   5)0K8*  SXD   0)0-NN  TRA   0+0801  CLA * 50 +02  STZ   6000N-  TPL   1+01VC
16520 -032000015253  010000016523  052200400001  005500002000  077400173417  063400116617  177777116527  063400116524
       ANA   L+01-$  TZE   1001VC  XEC   5P0-01  SIR   0*00+0  AXT   7(0*)*  SXA   6109W*  TXI   ***9VG  SXA   6109VD
16530 -050000177777  062100004552  073700100000  062200004553  044500015373 -032000015375  004300000000 -063400016710
       CAL   N00***  STA   6A00N-  PAC   7*0800  STD   6B00N$  RIS   4N01$,  ANA   L+01$*  OAI   0L0000  SXD   0)01X8
16540 -005400600000  002000016545 -005400100000  002000016754  044000015374  005600400000  002000016552  063400116617
       LFT   -*0 00  TRA   0+01VN  LFT   -*0800  TRA   0+01X*  IIS   4-01$(  RNT   0*0-00  TRA   0+01V-  SXA   6109W*
16550  050060004552  062100004552 -052000004553 -005600400000  002000016556  002000016651  050060200002  012000016562
       CLA * 50 0N-  STA   6A00N-  NZT   N*00N$  LNT   -*0-00  TRA   0+01V*  TRA   0+01WR  CLA * 50 +02  TPL   1+01VS
16560  052200400002  050060200002  073400100000 -032000015247 -010000016566 -073400100000  005400200000  063400104552
       XEC   5B0-02  CLA * 50 +02  PAX   710800  ANA   L+01-P  TNZ   J001VW  PDX   P10800  RFT   0*0+00  SXA   6108N-
16570 -005400200000  052200400005 -010000016577  005500010000  052200400001  005700010000  002000016560  040200004553
       LFT   -*0+00  XEC   5P0-05  TNZ   J001V*  SIR   0*0100  XEC   5B0-01  RIR   0*0100  TRA   0+01V   SUB   4200N$
16600  010000016610  012000016611  062200016710 -005600200000  005500010000  040000004553  062200004553  075400000000
       TZE   1001W8  TPL   1+01W9  STD   6B01X8  LNT   -*0+00  SIR   0*0100  ADD   4000N$  STD   6B00N$  PXA   7*0000
16610  005500004000  005600200004  062260200002  062200004551  005600200000  002000016622  050000004552  077400171172
       SIR   0*0)-0  RNT   0*0+04  STD * 6B +02  STD   6B00NR  RNT   0*0+00  TRA   0+01WB  CLA   5000N-  AXT   7(0*9=
16620  062100100000  005500000010 -053400104553  075400100000  036160200002  005600200004  062160200002  062160400003
       STA   6A0(00  SIR   0*0008  LXD   N108N$  PXA   7*0800  ACL * 37 +02  RNT   0*0+04  STA * 6A +02  STA * 6A -03
16630  075400100000  036100004552  062160400004  062100004551 -300000116651  053400104552 -300000116640  052200016642
       PXA   7*0800  ACL   3/00N-  STA * 6A -04  STA   6A00NR  TXL   Y009WR  LXA   5108N-  TXL   Y009W-  XEC   5B01WK
16640  053400116647 -300000116643 -302663116717  005400200000  002000016651 -053400104553 -050000177764  060200177764
       LXA   5109WP  TXL   Y009WL  TXL   YFT9X*  RFT   0*0+00  TRA   0+01WK  LXD   N108N$  CAL   N00**U  SLW   620**U
16650  200001116646 -052000004546  005700004000  005600004000  0020000[illegible]57  005400000010  005500000400  005400030000
       TIX   +019WL  NZT   N*00NP  RIR   0*00-0  RNT   0*00-0  TRA   0+01W*  RFT   0*0008  SIR   0*0040  RFT   0*0300
16660  002000016672 -005600100000  002000016524  005400000200  007400417576  005400000020  007400416764  005400000100
       TRA   0+01W   LNT   -*0800  TRA   0+01VD  RFT   0*0020  TSX   0(0J**  RFT   0*000+  TSX   0(0JXU  RFT   0*0010
16670  002000016471  002000004645  052200400001  005600010000  002000016661  005700010000 -005400200000  002000016706
       TRA   0+01U/  TRA   0+000N  XEC   5B0-01  RNT   0*0100  TRA   0+01W/  RIR   0*0100  LFT   -*0+00  TRA   0+01X6
16700  005600200000  002000016704  052000004566  002000016711  050060400004  062100004552  050000016710  062200004553
       RNT   0*0+00  TRA   0+01X4  ZET   5+00N0  TRA   0+01X9  CLA * 50 -04  STA   6A00N-  CLA   5001X8  STD   6B00N$
16710 -300000016552 -050000016035  002000016714 -050000016672  062500004545  005500000100  002000016663  053500116524
       TXL   Y001V-  CAL   N001 *  TRA   0+01X*  CAL   N001W=  STT   6F00NN  SIR   0*0010  TRA   0+01WT  LAC   5*09VD
16720 -050000020416  005400000020 -050000020417  060200020415 -050000016726  177777115453 -000004020412 -005400400000
       CAL   N0024*  RFT   0*000+  CAL   N0024*  SLW   62024*  CAL   N001XF  TXI   ***9*$         -0424*  LFT   -*0-00
16730  002000016577  053400116524  062200177777  005500020000  002000016606  005500000004 -005600400000  005100024004
       TRA   0+01V*  LXA   5109VD  STD   6B0***  SIR   0*0200  TRA   0+01W6  SIR   0*0004  LNT   -*0-00  IIR   0R02-4
16740  040200004553  012000016611 -005600400000  002000016605 -053400116710  300000116605  005500010000  050000004553
       SUB   4200N$  TPL   1+01W9  LNT   -*0-00  TRA   0+01W5  LXD   N109XB  TXH   H009W5  SIR   0*0100  CLA   5000N$
16750  062200016710  005400000010  005500004000  002000016651  050000016524 -052000021016  062100021016  005600400000
       STD   6B01X8  RFT   0*0008  SIR   0*00-0  TRA   0+01WR  CLA   5001VD  NZT   N+028*  STA   6A028*  RNT   0*0-00
16760  002000016525 -050000100000  073700100000  002000016525  050000200001 -032000015241  073400100000  300001116771
       TRA   0+01VE  CAL   N00*00  PAC   7*0[illegible]  TRA   0+01VE  CLA   500+01  ANA   L+01-J  PAX   7)0800  TXH   H019X7
16770  002000016772 -005700000031  005600001000  002000016777 -005600000001  002000400001 -005700000020  007400117150
       TRA   0+01X=  RIL   -*0001  RFT   0*0080  TRA   0+01X*  LNT   -*0001  TRA   0+0-01  RIL   -*000+  TSX   0(09ZQ
17000 -005500000020  002000400001  063400417106  063400117107  005500000003  056400015235 -052060200004  002000017126
       SIL   -*000+  TRA   0+0-01  SXA   610JZ6  SXA   6109Z7  SIR   0*0003  ENB   5U01-*  NZT * N* +04  TRA   0+01ZF
17010  050000200004  062100200002 -050000200001  036100015241  062100200001  050060200004  062100200004  052060200004
       CLA   500+04  STA   6A0+02  CAL   N00+01  ACL   3/01-J  STA   6A0+01  CLA * 50 +04  STA   6A0+04  ZET * 5* +04
17020  062260200004  0564000[illegible]735  076500000041  [illegible]41000000000 -053400116767  100001117026 -063400116767 -050000200007
       STI * 6B +04  ENB   5U0(7*  LGR   PV00[illegible]  IIA   [illegible]000  LXL   N109XX  TXI   H019YF  SXD   0)09XX  CAL   N00+02
17030  036100015236  073700400000  036100115236  [illegible]1010  [illegible]6016 2[illegible]002  040200400000  076700000022  062260200002
       ACL   3/01-*  PAC   7*[illegible]  ACL   3/01-*  SSA   1+02BB  STI * 6I +02  SUB   420-00  ALS   7X000B  STD * 6B +02
17040  005600000002  002000017134  05[illegible]00200001  [illegible]015241  073400100000 -050000200003 -076000000001 -300000117111
       RNT   0*0002  TRA   0+01Z*  CLA   500+01  ANA   L+01-J  PAX   7)0+00  CAL   N00+03  PBT   P 0001  TXL   Y00Z[illegible]
17050  0056[illegible]100000  [illegible]00[illegible]015247  [illegible]056[illegible]00200  [illegible]017103  062200017064 -050060200002  040200015244  062260200002
       RNT   [illegible]  ADD   [illegible]  [illegible]   *0020  TRA   0+[illegible]173  STD   6B01YU  CAL * N0 +02  SUB   4201-M  STD * 6B +02
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17060 -050000400000  040200015236  062100017063  053500100000  100000117065  300000116451 -005600000100  002000017102
       CAL   N00-00  SUB   4201-*  STA   6A01YT  LAC   5*0800  TXI   8009YV  TXH   H009UR  LNT   -*0010  TRA   0+(1Z?
17070  062100017076  062100016406  050060200002  036100015244  007400116402 -062000021020 -050000000000 -03200002101?
       STA   6A01Y*  STA   6A01U6  CLA * 50 +02  ACL   3/01-M  TSX   0(09U2  SLQ   0+028+  CAL   N00000  ANA   L+028+
17100  032200021020 -010000016453  050000017064  005600000001  002000016461  062200200003  077400461672  077400161223
       ERA   38028+  TNZ   J001U$  CLA   5001YU  RNT   0*0001  TRA   0+01U/  STD   680+03  AXT   7(00*B  AXT   7(0*++
17110  002100100001  007400117150  005500001000 -050000200003  002000017050  005400000003  002000017122  052000004546
       TTR   0A0801  TSX   0(09Z0  SIR   0*0080  CAL   N00+03  TRA   0+01Y0  RFT   0*0003  TRA   0+01Z8  ZET   5+00N0
17120  002000016713  002000017507  005700000003  007400417437  007400117150  002000017115  050000200003 -012000016433
       TRA   0+01X*  TRA   0+01*7  RIR   0*0003  TSX   0(0J(*  TSX   0(09Z0  TRA   0+01Z*  CLA   500+03  TMI   J+01U.
17130 -005500000011 -077400400001 -052060200000  002000017124  007400400703 -000000200000  002000017004  060000016136
       SIL   -*0005  AXC   P(0-01  NZT * N+ +00  TRA   0+01Z0  TSX   0(0-73          -00+00  TRA   0+01Y4  STZ   6001/*
17140  007400117204  056000200002 -077300000002  016200016433  007400404570  002000016433  007400120515  002000017004
       TSX   0(09*4  LDQ   5 0+02  RQL   P,0002  TQP   1501U.  TSX   0(0-NY  TRA   0+01U.  TSX   0(0*5*  TRA   0+01Y4
17150  063400117202  063400417157  053500416062  056400015235  050060400000  012000017162  053400117202  077400461627
       SXA   6)09*2  SXA   6)0JZ*  LAC   5*0J S  ENB   5U01-*  CLA * 50 -00  TPL   1+01ZS  LXA   5)09*2  AXT   7(00*G
17160  056400000735  002000100001 -005600010000  177777117157  062100004550  050000200001  073400400000 -300000417172
       ENB   5U007*  TRA   0+0801  LNT   -*0100  TXI   ***9Z*  STA   6A00NQ  CLA   500+01  PAX   7)0-00  TXL   Y00JZ*
17170  007400416263  002000017156  056060016062  050000004550  062160016062 -050000200001  040000015236  062100200001
       TSX   0(0JST  TRA   0+01Z*  LDQ * 5  1 S  CLA   5000NQ  STA * 6A 1 S  CAL   N00+01  ADD   4001-*  STA   6A0+01
17200  056400000735  007400117614  077400161625  177777117157  005500040000  005500000020  063400117230  063400417231
       ENB   5U007*  TSX   0(09*'  AXT   7(0**E  TXI   ***9Z*  SIR   0*0400  SIR   0*000+  SXA   6)09*H  SXA   6)0J*I
17210  050060200002  012000017240  062100017304 -032000015253  010000017230  005600000020  002000017352  053500416062
       CLA * 50 +02  TPL   1+01*-  STA   6A01,4  ANA   L+01-$  TZE   1001*H  RNT   0*000+  TRA   0+01,-  LAC   5*0J S
17220  056000200002  007400117274  005600040000  007400117330  050000017304  062100200002  005600000040  002000017210
       LDQ   5 0+02  TSX   0(09*(  RNT   0*0400  TSX   0(09,H  CLA   5001,4  STA   6A0+02  RNT   0*000-  TRA   0+01*8
17230  077400157717  077400462032  005600010000  005700020000  005700044400  005[illegible]0020  005700000010  002000100001
       AXT   7(0***  AXT   7(00++  RNT   0*0100  RIR   0*0200  RIR   0*04M0  RFT   [illegible]00+  RIR   0*0008  TRA   0+0801
17240  005600002000  002000017[illegible]  005600000020  002000017357  005600000400  00200[illegible]51  007400417552  005500040000
       RNT   0*00+0  TRA   0+01*H  RNT   0*000+  TRA   0+01,*  RNT   0*0040  TRA   0+01*R  TSX   0(0J*-  SIR   0*0400
17250  002000017254  056000200002  053500416062  007400117274  050000016062  062100200002  005600040000  007400117330
       TRA   0+01**  LDQ   5 0+02  LAC   5*0J S  TSX   0(09*(  CLA   5001 S  STA   6A0+02  RNT   0*0400  TSX   0(09,H
17260  002000017230 -100000000000  056400000735  005600002000  002000017224  002000017254  044100200001  005700077777
       TRA   0+01*F  STR   000000  ENB   5U007*  RNT   0*00+0  TRA   0+01*D  TRA   0+01**  LDI   4J0+01  RIR   0*07**
17270  056400015235 -050000200001  036100015241  062100200001  056400015235 -050000200001  040200015242  062100200001
       ENB   5U01-*  CAL   N00+01  ACL   3/01-J  STA   6A0+01  ENB   5U01-*  CAL   N00+01  SUB   4201-K  STA   6A0+01
17300  005600000020  002000017304  052000016136  002000017325  013100077502  005600000100  002000017312  052000004546
       RNT   0*000+  TRA   0+01,4  ZET   5+01/*  TRA   0+01,E  XCA   1107*2  RNT   0*0010  TRA   0+01,*  ZET   5+00N0
17310  002000017325  002000017315  056000200003  016200017315 -012000017261  063400117324  005600000040  007400120304
       TRA   0+01,E  TRA   0+01,*  LDQ   5 0+03  TQP   1501,*  TMI   J+01*/  SXA   6)09,D  RNT   0*000-  TSX   0(0*34
17320  050000200001  073400100000 -300000117324  007400116307  077400157745 -052000000742  056400000735  002000100001
       CLA   500+01  PAX   7)0800  TXL   Y009,D  TSX   0(09T7  AXT   7(0**N  NZT   N+007K  ENB   5U007*  TRA   0+0801
17330  050000200003 -012000100001 -050000200001 -032000015241  010000017343 -005400000020  002000017343 -005500000020
       CLA   500+03  TMI   J+0801  CAL   N00+01  ANA   L+01-J  TZE   1001,L  LFT   -*000+  TRA   0+01,L  SIL   -*000+
17340 -005600000010  002000100001 -005700000030  063400117346  007400117150  005500001000  077400160521  002000017340
       LNT   -*0008  TRA   0+0801  RIL   -*000H  SXA   6)09,0  TSX   0(09Z0  SIR   0*0080  AXT   7(0*5A  TRA   0+01,-
17350  005700000020  002000017206  050060200002  007400117605  050000017304  062100200002  002000017210  005600000400
       RIR   0*000+  TRA   0+01*6  CLA * 50 +02  TSX   0(09*5  CLA   5001,4  STA   6A0+02  TRA   0+01*8  RNT   0*0040
17360  002000017433  007400417552  002000017434  063400417430  063400117431 -050000200002  036100015236  062100017372
       TRA   0+01(.  TSX   0(0J*-  TRA   0+01()  SXA   6)0J(H  SXA   6)09((  CAL   N00+02  ACL   3/01-*  STA   6A01,*
17370  050060200002 -012000017373  062100077605  050060017372  062100017427  062100016406  040200017372 -005600000200
       CLA * 50 +02  TMI   J+01,,  STA   6A07*5  CLA * 50 1,*  STA   6A01(G  STA   6A01U6  SUB   4201,*  LNT   -*0020
17400  040200015236  076700000022  062260017372 -032000015247 -005400000200  040200015244 -010000017424  056000200002
       SUB   4201-*  ALS   7X0008  STD * 6B 1,*  ANA   L+01-P  LFT   -*0020  SUB   4201-M  TNZ   J001(D  LDQ   5 0+02
17410  053500416062 -050000400001  077100000004  062260017372  056400015235  007400120303  050000200003  012000017421
       LAC   5*0J S  CAL   N00-01  ARS   7Z0004  STD * 6B 1,*  ENB   5U01-*  TSX   0(0*33  CLA   500+03  TPL   1+01(A
17420  007400116307  056400000735  053400117431  002000100001 -005600000100  002000017430  007400115401 -062000077606
       TSX   0(09T7  ENB   5U007*  LXA   5)09(I  TRA   0+0801  LNT   -*0010  TRA   0+01(H  TSX   0(09U1  SLQ   0+07*6
17430  077400460166  077400160345  002000400001  007400117610  050000016062  062100200002  002000017230  063400417546
       AXT   7(0016  AXT   7(0*3N  TRA   0+0-01  TSX   0(09*8  CLA   5001 S  STA   6A0+02  TRA   0+01*H  SXA   6)0J*0
17440  005500100000  007400117452  002000400001  063400417546  050000200003  012000017452  063400117547  007400416262
       SIR   0*0800  TSX   0(09(-  TRA   0+0-01  SXA   6)0J*0  CLA   500+03  TPL   1+01(-  SXA   6)09*P  TSX   0(0JSS
17450  002000017117  002000017453  063400117547  053500416062  050000400001  056060400000  016200017513 -032000015243
       TRA   0+01Z*  TRA   0+01($  SXA   6)09*P  LAC   5*0J S  CLA   500-01  LDQ * 5  -00  TQP   1501**  ANA   L+01-L
17460 -010000017465  053500416062  056060400000  016200017513  002000017117  062100017470  053500117470  050000100000
       TNZ   J001(V  LAC   5*0J S  LDQ * 5  -00  TQP   1501**  TRA   0+01Z*  STA   6A01(Y  LAC   5*09(Y  CLA   500800
17470  073700477602  050000400001  010000017502  012000017505  007400400703 -000000100000  053500416062  050060400000
       PAC   7*0P*2  CLA   500-01  TZE   1001*2  TPL   1+01*5  TSX   0(0-73          -00800  LAC   5*0J S  CLA * 50 -00
17500  012000017513  002000017477  050000100001 -032000015401  010000020454  050000100001  002000017457  007400400706
       TPL   1+01**  TRA   0+01(*  CLA   500801  ANA   L+01*1  TZE   10024*  CLA   500801  TRA   0+01(*  TSX   0(0-76
17510  000000000001  000003020442  007400400713  005400100000  002000017546  056400015235  005600000200  002000017527
       HTR   000001  HTR   00324K  TSX   0(0-7*  RFT   0*0800  TRA   0+01*0  ENB   5U01-*  RNT   0*0020  TRA   0+01*G
17520  050000200003 -012000017525  007400416263  002000017117  053500416062 -050000015253  063060021015  050060400000
       CLA   500+03  TMI   J+01*E  TSX   0(0JST  TRA   0+01Z*  LAC   5*0J S  CAL   N001-$  STP * 6H 28*  CLA * 50 -00
17530  062100017470  050000400000  062100200002  036100015236  062100017542  036100015236  062160200002 -050000017470
       STA   6A01(Y  CLA   500-00  STA   6A0+02  ACL   3/01-*  STA   6A01*K  ACL   3/01-*  STA * 6A +02  CAL   N001(Y
17540  062100400000  056400000735  050000077605 -005400000200  040200015244  062260200002  077400461605  077400161220
       STA   6A0-00  ENB   5U007*  CLA   5007*5  LFT   -*0020  SUB   4201-M  STD * 6B +02  AXT   7(00*5  AXT   7(0*++
17550  005700100000  002000100001  050000200002 -005400003000  002000017564  012000017564  005400000200  002000017571
       RIR   0*0800  TRA   0+0801  CLA   500+02  LFT   -*00H0  TRA   0+01*U  TPL   1+01*U  RFT   0*0020  TRA   0+01*Z
17560  073400100000  005500000200 -063400121015  002000017572  073700100000  050060200002  062100100001  050000200002
       PAX   7)0800  SIR   0*0020  SXD   U)0*8*  TRA   0+01**  PAC   7*0800  CLA * 50 +02  STA   6A0801  CLA   500+02
17570  002000017556  062160021015  062100021015 -050000015374  063060021015  002000400001  050000200002  062160021015
       TRA   0+01**  STA * 6A 28*  STA   6A028*  CAL   N001$(  STP * 6H 28*  TRA   0+0-01  CLA   500+02  STA * 6A 28*
17600 -053400121015  075400100000  062100200002  005700000200  002000400001 -034000015407  002000017704  020076077604
       LXD   N)0*8*  PXA   7*0800  STA   6A0+02  RIR   0*0020  TRA   0+0-01  LAS   L-01U7  TRA   0+01*4  MPY * 20*7*4
17610  050000200003 -012000017713  007400417363  056000200002  013100000000  062100017607  056000015246 -076300000022
       CLA   500+03  TMI   J+01**  TSX   0(0J,T  LDQ   5 0+02  XCA   110000  STA   6A01*7  LDQ   5 01-0  LGL   PT000B
17620  060260017607 -077400400001  056400015235  050060200000  010000017646  062100017636 -050000004556  077400400000
       SLW * 62 1*7  AXC   P(0-01  ENB   5U01-*  CLA * 50 +00  TZE   1001*U  STA   6A01**  CAL   N000N*  AXT   7(0-00
17630  032260200000 -032000015243  010000017636  007400400703 -000000200000  002000017621  050000076474 -073700400000
       ERA * 3B +00  ANA   L+01-L  TZE   1001**  TSX   0(0-73          -00+00  TRA   0+01*A  CLA   5007U(  PDC   P*0-00
17640  050000017607  062100400000  076700000022  062260017636  056400000735  002000100001 -005600010004  002000017733
       CLA   5001*7  STA   6A0-00  ALS   7X000B  STD * 6B 1**  ENB   5U007*  TRA   0+0801  LNT   -*0104  TRA   0+01*.
17650  077400400000  050060200000 -076500000022  016200017663 -076300000022  062100017470  063400117662  007400420767
       AXT   7(0-00  CLA * 50 +00  LGR   PV000B  TQP   1501*T  LGL   PT000B  STA   6A01(Y  SXA   6)09*S  TSX   0(0K7X
17660  007400120460  007400420767  077400100000  060400017703  077400400000 -050000004556  062160200000  044160200000
       TSX   0(0*4   TSX   0(0K7X  AXT   7(0800  STI   6401*3  AXT   7(0-00  CAL   N000N*  STA * 6A +00  LDI * 4J +00
17670 -005400020000  002000017703 -050000017607 -077400400001  044100017703 -005400003000 -050100015251  060260200000
       LFT   -*0200  TRA   0+01*3  CAL   N001*7  AXC   P(0-01  LDI   4J01*3  LFT   -*00H0  ORA   N101-R  SLW * 62 +00
17700  007400400703  000000200000  002000100001  071044000000  050000200003 -012000017713  063400117711  056400015235
       TSX   0(0-73  HTR   000+00  TRA   0+0801          78M000  CLA   500+03  TMI   J+01**  SXA   6)09*9  ENB   5U01-*
17710  007400116306  077400100000  002000017612  007400417363  06340011771   050000200002  073700100000  053500416062
       TSX   0(09T6  AXT   7(0800  TRA   0+01**  TSX   0(0J,T  SXA   6)0,*9  CLA   500+02  PAC   7*0800  LAC   5*0J S
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17720 -0 0000400001 077100000004 062200100001 050000200007 -100000000000 -050000200003 036100015244 062200200003
      CAL   N00-01  ARS   720004  STD   680801  CLA   500+02  STR   000000  CAL   N00+03  ACL   3/01-M  STD   680+03
17730 053400117711 002000100001 -100000000000 -005400003000 002000017740 056000017607 053500416062 002000017770
      LXA   5109+9  TRA   0+0801  STR   000000  LFT   -+00HC  TRA   0+01+-  LDQ   5 01+7  LAC   5+0J 5  TRA   0+01+Y
17740 063400117742 007400120460 077400100000 002000017621 050000200001 -032000017475 076700000005 036100015244
      SXA   6109+K  TSX   010+4  AXT   710800  TRA   0+01+A  CLA   500+01  ANA   L+011+  ALS   7X0003  ACL   3/01-M
17750 062200017753 063400417754 007400420326 000002200000 077400461742 002000400001 063400420556 007400117204
      STD   6801+9  SXA   610J++ TSX   010K3F  HTR   002+00  AXT   710O+K  TRA   0+0-01  SXA   610K0+  TSX   0109+4
17760 056400015235 -077400400001 050060200000 010000020011 062100017766 050000017760 -052060000000 002000020004
      ENB   5001-+  AXC   P10-01  CLA + 50 +00  TZE   100209  STA   6AD1+W  CLA   5001+   NZT + N+ 000  TRA   0+0204
17770 056060017766 062160017766 013100000000 -052060200004 002000020035 056000200004 062100200004 -073700100000
      LDQ + 5  1+6  STA + 6A 1+W  XCA   110000  NZT + N+ +04  TRA   0+020+  LDQ   5 0+04  STA   6A0+04  PDC   P+0800
20000 013100000000 062100100000 050060.00000 062260200004 007400400703 -000000200000 -077400400001 052060200000
      XCA   110000  STA   6A0800  CLA + 50 800  STD + 68 +04  TSX   010-73  -00+00  AXC   P10-01  ZET + 5+ +00
20010 002000020007 -063400016767 060000021020 050060200004 010000020040 012000020021 -053400116767 100001120020
      TRA   0+0207  SXD   0101XX  STZ   60028+  CLA + 50 +04  TZE   10020-  TPL   1+020A  LXD   N109XX  TXI   801+0+
20020 -063400116767 056000200004 062100200004 -032000015252 010000020032 013100000000 073700100000 013100000000
      SXD   0109XX  LDQ   5 0+04  STA   6A0+04  ANA   L+01--  TZE   10020+  XCA   110000  PAC   7+0800  XCA   110000
20030 050000100002 060100021020 053300416062 007400117270 002000020013 062100200004 062260200004 002000020004
      CLA   500802  STD   61028+  LAC   5+0J 5  TSX   0109+Y  TRA   0+020+  STA   6A0+0+  STD + 6B +04  TRA   0+0204
20040 -053400116767 300000120056 007400420326 000005200000 -052000021020 177777120041 050000200005 -012000020054
      LXD   N109XX  TXL   Y00+0+  TSX   010K3F  HTR   005+00  NZT   N+028+  TXI   ***+0J  CLA   500+05  TMI   J+020+
20050 050000021020 -077400400002 060160200000 060000021020 -005500010000 002000020045 077400462056 002000400001
      CLA   50028+  AXC   P10-02  STD + 61 +00  STZ   60028+  SIL   -+0100  TRA   0+020N  AXT   7100++  TRA   0+0-01
20060 063400420070 007400117350 -077400400001 -052060200000 002000020070 007400400703 -000000200000 002000020062
      SXA   610K0Y  TSX   0109,0  AXC   P10-01  NZT + N+ +00  TRA   0+020Y  TSX   010-73  -00+00  TRA   0+0205
20070 077400462032 -052060200004 002000400001 007400120460 002000020065 000000000000 063400420275 063400120276
      AXT   7100++  NZT + N+ +04  TRA   0+0-01  TSX   010+4  TRA   0+020V  HTR   000000  SXA   610K2+  SXA   610+2+
20100 073700400000 013100000000 050000400000 073700200000 016200020221 050000020075 -010000020301 -005400400000
      PAC   7+0-00  XCA   110000  CLA   500-00  PAC   7+0+00  TQP   15022A  CLA   50020+  TNZ   J00231  LFT   -+0-00
20110 002000020116 -050000020275 040200015236 062100020275 050000400001 012000020275 050000200001 -012000020644
      TRA   0+021+  CAL   N0022+  SUB   4201-+  STA   6A022+  CLA   500-01  TPL   1+022+  CLA   500+01  TMI   J+026N
20120 050060000725 010000020124 036100020005 060200200005 007400120312 -053500100736 016200020154 050000200004
      CLA + 50 07E  TZE   100210  ACL   3/0+05  SLW   620+05  TSX   010+3+  LDC   N+087+  TQP   15021+  CLA   500+04
20130 -073700400000 -050000400001 077100000004 062200177777 0074 0120303 -005600200000 002000020275 -077400400001
      PDC   P+0-00  CAL   N00-01  ARS   720004  STD   680+++  TSX   010+33  LNT   -+0+00  TRA   0+022+  AXC   P10-01
20140 050060200000 010000020143 062100200004 -050000015400 060060200000 -063400220147 053400104556 174720120150
      CLA + 50 +00  TZE   10021L  STA   6A0+04  CAL   N001+5  STZ + 60 +00  SXD   010B1P  LXA   5108N+  TXI   +P++1Q
20150 300000120152 032000000740 032000200001 002000020275 -050000000736 062100177777 -004600000000 063000177776
      TXH   H00+1-  ANS   3+007-  ANS   3+0+01  TRA   0+022+  CAL   N0007+  STA   6A0+++  PIA   -00000  STP   6H0+++
20160 050060200004 010000020213 -073700100000 013100000000 062100100000 056000015246 -076300000022 062160100000
      CLA + 50 +04  TZE   10022=  PDC   P+0800  XCA   110000  STA   6A0800  LDQ   5 01-0  LGL   PT0008  STA + 6A  70
20170 062260200004 -005600200000 002000020275 063400420206 053400120075 320000120417 056000000737 -060060000036
      STD + 6B +04  LNT   -+0+00  TRA   0+022+  SXA   610K26  LXA   510+0+  TXH   +00++  LDQ   5 007+  STQ + 00 07+
20200 -052000400001 002000020210 007400120312 050000200004 -073700400000 007400117266 077400477446 002000020200
      NZT   N+0-01  TRA   0+0228  TSX   010+3+  CLA   500+04  PDC   P+0-00  TSX   0109+W  AXT   710P10  TRA   0+0220
20210 -077400400001 -050000015377 002000020144 013100000000 062100200004 056000015246 -076300000022 062160200004
      AXC   P10-01  CAL   N001S+  TRA   0+021M  XCA   110000  STA   6A0+04  LDQ   5 01-0  LGL   PT0008  STA + 6A +04
20220 002000020170 044100200001 050000020075 076000000001 -010000020304 -010000020542 -005400400000 002000020674
      TRA   0+021Y  LDI   4J0+01  CLA   50020+  LBT   7 0001  TNZ   J00234  TNZ   J0025K  LFT   -+0-00  TRA   0+0261
20230 050000400001 036100015236 062160000727 062100020254 012000020251 052060000725 002000020251 062100020247
      CLA   500-01  ACL   3/01-+  STA + 6A 07G  STA   6A022+  TPL   1+022R  ZET + 5+ 07E  TRA   0+022R  STA   6A022P
20240 013100000000 050000200003 036100015244 062200200003 -005600000200 002000020250 077100000022 062160074465
      XCA   110000  CLA   500+03  ACL   3/01-M  STD   680+03  LNT   -+0020  TRA   0+0220  ARS   720008  STA + 6A 7MV
20250 013100000000 036100015236 052000020075 002000020336 062100074465 050000200001 -032000015402 -010000020261
      XCA   110000  ACL   3/01-+  ZET   5+020+  TRA   0+023+  STA   6A07MV  CLA   500+01  ANA   L+01+2  TNZ   J0022/
20260 060000000135 077100000007 -050100400000 077100000022 062100020273 050000020300 056000400001 016200020271
      STZ   60001+  ARS   720007  ORA   N10-00  ARS   720008  STA   6A022,  CLA   500230  LDQ   5 0-01  TQP   15022Z
20270 076700000017 062200020273 052060000134 076600001232 052260000727 077400476631 077400100001 002000400001
      ALS   7X000+  STD   68022,  ZET + 5+ 01J  WRS   7W00++  XEC + 58 07G  AXT   710PHI  AXT   710801  TRA   0+0-01
20300 076200766000 076000000001 002000020422 013100000000 056000400000 062100400000 013100000000 060060400000
      RDS   7S0+ 0  LBT   7 0001  TRA   0+024B  XCA   110000  LDQ   5 0-00  STA   6A0-00  XCA   110000  STZ + 60 -00
20310 062160400000 002000100001 056000400001 050060400001 062100400001 -052060400001 002000020321 062260400001
      STA + 6A -00  TRA   0+0801  LDQ   5 0-01  CLA + 50 -01  STA   6A0-01  NZT + N+ -01  TRA   0+023A  STD + 6B -01
20320 002000100001 060000400001 002000100001 077400457736 002000000705 000000000000 063400420323 050000400001
      TRA   0+0801  STZ   600-01  TRA   0+0801  AXT   710N++  TRA   0+0075  HTR   000000  SXA   610K3C  CLA   500-01
20330 -073400400000 050000200005 -012000020335 -032000015252 010000020323 002000020352 007400420326 000005200000
      PDX   P10-00  CLA   500+05  TMI   J+023+  ANA   L+01--  TZE   10023C  TRA   0+023-  TSX   010K3F  HTR   005+00
20340 050200015244 040100200003 062200200003 -077400400002 050060200000 -032000015243 032200015243 -010000004645
      CLS   5201-M  ADM   410+03  STD   680+03  AXC   P10-02  CLA + 50 +0G  ANA   L+01-L  ERA   3801-L  TNZ   J0000N
20350 062200200003 002000016472 -005600040000 002000004645 007400416201 005500002000 -005400003000 002000020363
      STD   680+03  TRA   0+01U=  LNT   -+0400  TRA   0+000N  TSX   010JS1  SIR   0+00+0  LFT   -+00H0  TRA   0+023T
20360 007400417756 053500104626 002000100001 007400420060 002000020361 -206445316360 -206021106060 -076466436025
      TSX   010J++  LAC   5+08QF  TRA   0+0801  TSX   010K0  TRA   0+023/  TNX   UNIT  TNX   AB  PODL E
20370 -115146516063 -226760216360 -204647254560 234664456360 256723252524 252460406046 -072545604546 -236047466262
            RROR T  TNX   SX AT  TNX   OPEN  TIX   COUNT  TIX   EXCEED  TIX   ED - 0  PEN NO  TNX   T POSS
20400 312243256060 -204546636021 -252131432122 -032560264651 -203145316331 214331712163 314645606060 -202163632123
      TXH   IBLE  TNX   NOT A  TNX   VAILAB  LE FOR  TNX   INITI  TIX   ALIZAT  TXH   IGN  TNX   ATTAC
20410 306025515146 -116021636060 -203143432527 214360635121 -056244316360 -205454545454 -206651316325 -205125212460
      TXH   H ERRO  R AT  TNX   ILLEG  TIX   AL TRA  NSMIT  TNX   *****  TNX   WRITE  TNX   READ
20420 -205454545454 -205125254360 -205454545454 -206060406060 -205454545454 -205125234651 246260606060 -206060606060
      TNX   *****  TNX   REEL  TNX   *****  TNX   -  TNX   *****  TNX   RECOR  TIX   DS  TNX
20430 -112524644524 214523706030 316263465170 -205454545454 -205125635170 -226060606060 -205454545454 -204725514433
            REDUNC  TIX   ANCY H  TXH   ISTORY  TNX   *****  TNX   RETRY  TNX   S  TNX   *****  TNX   PERM.
20440 -205125635170 -202551216225 314343252721 -036026314325 -206462256060 -112544466525 -206051252543 -200000000160
      TNX   RETRY  TNX   ERASE  TXH   ILLEGA  L FILF  TNX   USF  REMOVE  TNX   REEL  TNX   0001
20450 -204446644563 -202243214542 000000020424 000006020421 007400420767 007400120460 007400420767 002000017453
      TNX   MOUNT  TNX   BLANK  HTR   00324D  HTR   00624A  TSX   010K7X  TSX   01044  TSX   010K7X  TRA   0+0115
20460 063400420511 063400120512 007400420326 G00007200000 076100000000 -005400000400 -100000000000 007400120515
      SXA   610K59  SXA   610+5+  TSX   010K3F  HTR   007+00  NOP   770000  LFT   -+0040  STR   000000  TSX   010+5+
20470 -005400000400 -100000000000 002000020473 -005 00000004 -052060200004 002000020511 050000200004 062100020514
      LFT   -+0040  STR   000000  TRA   0+024,  SIL   -+0004  NZT + N+ +04  TRA   0+0229  CLA   500+04  STA   6A025+
20500 -050000020514 -077400400001 052060200000 002000020502 -060260200000 050000016207 062100200004 007400400703
      CAL   N0025+  AXC   P10-01  ZET + 5+ +00  TRA   0+0252  ORS + 02 +00  CLA   5001S7  STA   6A0+04  TSX   010-73
20510 000000200000 077400400000 077400100000 002000100001 -020076000000 063400420620 063400120621 007400420326
      HTR   000+00  AXT   710-00  AXT   710R0C  TRA   0+0801  MPR + K0+000  STA   610K6+  SXA   610+6A  TSX   010K3F
20520 000004200000 007400416220 007400416326 050000200000 073700100000 062200020526 100000120527 -050000200007
      HTR   004400  TSX   010JS+  TSX   010JTF  CLA   500+00  PAC   7+0800  STD   6B025F  TXI   800+5G  CAL   N00+07
20530 036100021013 007400420627 036100021014 060200200007 -050000200000 063000020573 050000004542 -073700400000
      ACL   3/028+  TSX   010K6G  ACL   3/028'  SLW   620+07  CAL   N00+00  STP   6H025,  CLA   5000NX  PDC   P+0-00
20540 062100020552 036100015236 062100020547 060400017703 050060004556 -300000420562 100014420547 044100400000
      STA   6A025-  ACL   3/01-+  STA   6A025P  STI   640L+3  CLA + 50 0N+  TXL   Y00K5S  TXI   80*K5P  LDI   4J0-00
20550 -005600040000 002000020545 034000400000 002000020545 002000020556 002000020545 056060020552 -077300000022
      LNT   -+0400  TRA   0+025N  CAS   3-0-00  TRA   0+025N  TRA   0+025+  TRA   0+025N  LDQ + 5  25-  RQL   P,0008
20560 -060060020552 002000020545 044100017703 050000004556 077400400000 062160200000 -050000200007 -300000120604
      STQ + 00 25-  TRA   0+025N  LDI   4J01+3  CLA   5000N+  AXT   710-00  STA + 6A +00  CAL   N00+07  TXL   Y00+64
20570 050000020573 -012000020577 007400400704 000000200000 -050000200007 007400416341 007400400712 007400420623
      CLA   50025,  TMI   J+025+  TSX   010-74  HTR   000+00  CAL   N00+07  TSX   010JTJ  TSX   010-74  TSX   010K6C
20600 -050000200007 036100021013 007400420627 036100021014 007400416341 007400420623 300000120610 007400400712
      CAL   N00+07  ACL   3/028+  TSX   010K6G  ACL   3/028'  TSX   010JTJ  TSX   010K6C  TXH   H00+6B  TSX   010-74
```

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20610  007400417744  007400420326  000003200000  005500010000  056C00200002 -077300000001  016200020620  007400404567
       TSX   010J•P  TSX   010K3F  HTR   003+00  SIL   -•0100  LDQ   5 0+02  ROL   P,0001  TOP   15026+  TSX   010-MX
20620  077400400000  077400100000  002000100001  056000200000 -077300000022 -060000200000  002000400001 -032000020641
       AXT   710-00  AXT   710800  TRA   0+0801  LDQ   5 0+00  RQL   P,0008  STQ   000+00  TRA   0+0-01  ANA   L+026J
20630  036100020642  032000020643 -040000020643  076700000003 -040000020643  077100000003  056000015254 -060000020643
       ACL   3/026K  ANS   3+026L  SBM   M0026L  ALS   7X0003  SBM   M0026L  ARS   7Z0003  LDQ   5 01-•  STQ   00026L
20640  002000400001  171717373717  C06666666666 -206060606060  050000400000 -032000021011 -010000020753  060400020673
       TRA   0+0-01  TXI   ••••••  TCUG• ÖMMWWM  TNX           CLA   500-06  ANA   L+0289  TNZ   J0027$  STI   64026,
20650 -005600100000  002000020706  044100400001 -005600300000  002000020667 -005700200000  060060000725  060400400001
       LNT   -•0800  TRA   0+0276  LDI   4J0-01  LNT   -•0H00  TRA   0+026X  RIL   -•0+00  STZ • 60 07F  STI   640-01
20660  044100200001 -005100004000  060400200001  007400120737  053400120276  053400420275  006000400003 -005600100000
       LDI   4J0+01  IIL   -R00-0  STI   640+01  TSX   010•7•  LXA   510•2•  LXA   510K2•  TRA   0+0-03  LNT   -•0800
20670  002000020705 -005100300000  002000020656  000000000000  044100400001 -005400300000  002000020701 -005100300000
       TRA   0+0275  IIL   -R0H00  TRA   0+026•  HTR   000000  LDI   4J0-01  LFT   -•0H00  TRA   0+0271  IIL   -R0H00
20700  060400400001 -005600100000  060060000726  044100200001  002000020230  044100020673 -005400200000  002000020723
       STI   640-01  LNT   -•0800  STZ • 60 07F  LDI   4J0+01  TRA   0+022H  LDI   4J026,  LFT   -•0+00  TRA   0+027C
20710  044100200001  053500100736  050000177777 -032000020735 -005600004000  010000020723 -032000017204 -010000020723
       LDI   4J0+01  LAC   5•087•  CLA   500•••  ANA   L+027•  LNT   -•00-0  TZE   10027C  ANA   L+01•4  TNZ   J0027C
20720 -005100004000  060400200001  007400120737  044100020673  053400120276  050000020075  076000000001  002000020731
       IIL   -R00-0  STI   640+01  TSX   010•7•  LDI   4J026,  LXA   510•2•  CLA   50020•  LBT   7 0001  TRA   0+0271
20730  002000020324 -010000020120 -050000020736  032000400001  002000020120  000000050000 -077777777777  063400120751
       TRA   0+023C  TNZ   J0021+  CAL   N0027•  ANS   3+0-01  TRA   0+021+  HTR   000500        P•••••  SXA   610•7R
20740  050000400000  076700000022  062200020744  053500104556  100000120745  305000120751  044100000740 -005100004000
       CLA   500-00  ALS   7X0008  STD   68027M  LAC   5•08N•  TXI   800•7N  TXH   H00•7R  LDI   4J007-  IIL   -R00-0
20750  060400000740  077400100000  002000100001  063400420765 -050000400001  073700400000  050000400004  012000020765
       STI   64007-  AXT   710800  TRA   0+0801  SXA   610K7V  CAL   N00-01  PAC   7•0-00  CLA   500-04  TPL   1•027V
20760  050000400006- 012000020765 -053400400736  063400400736 -005500200000  077400400000  002000020120  013100000000
       CLA   500-06  TPL   1+027V  LXD   N10-7•  SXA   610-7•  SIL   -•0+00  AXT   710-00  TRA   0+021+  XCA   110000
20770  056400015235 -004600000000  062200200001  053400117470  053400204556  063400104556  063400217470  053500204556
       ENB   5U01-•  PIA   -00000  STD   680+01  LXA   5109(Y  LXA   510+N•  SXA   6108N•  SXA   610A(Y  LAC   5•0+N•
21000  050000200001 -032000015247 -005700077777  004300000000  360111421006  056400000735  013100000000  002000400001
       CLA   500+01  ANA   L+01-P  RIL   -•07••  OAI   0L0000  TXH   •1•K86  ENB   50007•  XCA   110000  TRA   0•0-01
21010  077777777777  000100000000 -377777000000  000000000100 -200000000000  077604077604  000000000000  00000000000C
             7•••••        010000  TXL   •••000  HTR   000010  TNX     0000  SDN   7•47•4  HTR   000000  HTR   000000
21020  000000000000 -100000000000  100000021031  077400277472  077600177472  077400474513  044100021030  002000400001
       HTR   000000  STR   000000  TXI   800281  AXT   710GI=  AXT   710•(=  AXT   710PN=  LDI   4J028H  TRA   0+0-01
21030  000000100000  060400021030  063400402652  063400427051  063400421025  063400121024  063400221023  076000000016
       HTR   000800  STI   64028H  SXA   610-F-  SXA   610KYR  SXA   610K8E  SXA   610•8D  SXA   6108BC  LPTM  7 000•
21040  050060400003  060100024565  040200024632  060100023523  050060400004  060100021557  050060400005  060100021560
       CLA • 50 -03  STO   6102NV  SUB   42020+  STO   6102•C  CLA • 50 -04  STO   6102••  CLA • 50 -05  STO   6102•
21050  050060400006  060100021561  050060400007  060100024222  050060400010  060100021552  007400425256  100021021107
       CLA • 50 -06  STO   6102•/  CLA • 50 -07  STO   6102KB  CLA • 50 -08  STO   6102•-  TSX   010K-•  TXI   80A292
21060  027051000152  000000024576  000000021571  000000021574  000000021575  000000021576  000000021577  000000021600
             2YR01-  HTR   0002N•  HTR   0002•Z  HTR   0002•(  HTR   0002••  HTR   0002••  HTR   0002••  HTR   0002•0
21070  000000021601  000000021602  000000021603  000000021604  000000024471  000000024574  000000024361  000000021573
       HTR   0002•1  HTR   0002•2  HTR   0002•3  HTR   0002•4  HTR   0002MZ  HTR   0002N(  HTR   0002L/  HTR   0002•,
21100  000000021572  000000024600  007400425545  100003021110  027051000154  000000021557  000000021560  000000021561
       HTR   0002•=  HTR   000200  TSX   010K•N  TXI   80329B        2YR01•  HTR   0002••  HTR   0002•   HTR   0002•/
21110  007400404465  000000003060  007400404467  021234003060  021510021522  300004274064  044100024576  007400425712
       TSX   010-MV  HTR   0000H   TSX   010-MX        2•)0H        2•82•B  TXH   H04G-U  LDI   4J02N•  TSX   010K••
21120  100003021125  027051000164  000000030047  000000024566  000000024575  007400403777  100017021147  027051000165
       TXI   80329E        2YR01U  HTR   00030P  HTR   0002NW  HTR   0002N•  TSX   010-••  TXI   80•29P        2YR01V
21130  000000030050  000000030051  000000030052  000000030053  000000030055  000000030056  000000030057  000000030060
       HTR   00030Q  HTR   00030R  HTR   00030-  HTR   0003C$  HTR   00030•  HTR   00030•  HTR   00030•  HTR   00030
21140  000000030061  000000030062  000000030064  000000030303  000000024765  000000021552  000000030303  050000030047
       HTR   00030/  HTR   000305  HTR   00030U  HTR   000333  HTR   0002NV  HTR   0002•-  HTR   000333  CLA   50030P
21150  077100000022  060100024262  053400230047  060000030047  063400230047  050000021560  034000021562  002000021162
       ARS   7Z000B  STO   6102KS  LXA   510C0P  STZ   60030P  SXA   610C0P  CLA   5002•   CAS   3-02•3  TRA   0+0295
21160  002000021500  002000021500  076000000144  050000024222 -032000021236  010000021174 -300000221174  007400404467
       TRA   0+02•0  TRA   0+02•0  SLN   7 001M  CLA   5002KB  ANA   L+02••  TZE   10029(  TXL   Y0089(  TSX   010-MX
21170  021234003060  021510021522  300000200000  200001221167  050000024574  010000021212  053400224600  077400100004
             2•)0H        2•82•B  TXH   H00+00  TIX   +0189X  CLA   5002N!  TZE   1002••  LXA   510800  AXT   710804
21200  050000124475  060100130063  200001121200  050000021200  040000021236  062100021200  050000021201  040000021237
       CLA   500•M•  STO   610=GT  TIX   +01••0  CLA   5002•0  ADD   4002••  STA   6A02•0  CLA   5002•1  ADD   4002••
21210  062100021201  200001221177  044100024576  005400000010  007000021240  005600000004  002000021222  05000002460?
       STA   6A02•1  TIX   +0189•  LDI   4J02N•  RFT   0•0008  TRA   0+02•-  RNT   0•0004  TRA   0+02•B  CLA   500201
21220  060100021571  002000021240  050000021600  060100021554  050000021601  060100021555  005400000020  002000021240
       STO   6102•Z  TRA   0+02•-  CLA   5002•0  STO   6102••  CLA   5002•1  STO   6102••  RFT   0•000+  TRA   0+02•-
21230  050000024602  060100021604  002000021240  000000021233  000000021234  000000030047  000000000004  000000000012
       CLA   500202  STO   6102•4  TRA   0+02•-  HTR   0002•.  HTR   0002•)  HTR   00030P  HTR   000004  HTR   00000•
21240  044100024576  005400000004  002000021262  005400000010  002000021274  005400000020  002000021335  005400000040
       LDI   4J02N•  RFT   0•0004  TRA   0+02•S  RFT   0•0008  TRA   0+02•(  RFT   0•000+  TRA   0+02=•  RFT   0•000-
21250  002000021357  007400414014  100001021255  027051003322  000000021624  007400413472  100000021260  027051000274
       TRA   0+02=•  TSX   010J-'  TXI   8012••        2YR0.B  HTR   0002•D  TSX   010-    TXI   8002•         2YR02(
21260  042000000001  002000021260 -076000000142  002000021270  007400421446  053400421571  063400421617  002000021663
       HPR   4+0001  TRA   0+02•   SLT   P 001K  TRA   0+02•Y  TSX   010K'0  LXA   510K•Z  SXA   610K••  TRA   0+02•T
21270  053400421617 -200001421264  063400421617  002000021663 -076000000142  002000021333  053400121567 -200001121310
       LXA   510K••  TNX   01K•U   SXA   610K••  TRA   0+02•T  SLT   P 001K  TRA   0+02•.  LXA   510••X  TNX   01••8
21300  063400121567  053400121566 -200001121310  063400121566  007400421424  050000024346  007400421446  002000021663
       SXA   610••X  LXA   510••W  TNX   01••8   SXA   610••W  TSX   010K'D  CLA   5002L0  TSX   010K'0  TRA   0+02•T
21310  050000021577  060100021567  050000021576  060100021566  053400121564  200001121331  053400121565 -200001121326
       CLA   5002••  STO   6102•X  CLA   5002••  STO   6102•W  LXA   510••U  TIX   +01••I  LXA   510••V  TNX   01••F
21320  063400121565  007400421424  050000021574  050000021574  060100021564  002000021306  050000021575  060100021565
       SXA   610••V  TSX   010K'D  CLA   5002•(  CLA   5002•(  STO   6102•U  TRA   0+02•6  CLA   5002••  STO   6102•V
21330  053400121574  063400121564  002000021306  053400121577  002000021300  053400421621 -200001421342  063400421621
       LXA   510••(  SXA   610••U  TRA   0+02=6  LXA   510•••  TRA   0+02=0  LXA   510K•A  TNX   01K=K   SXA   610K•A
21340  007400421446  002000021663  053400221554  063400221621  053400421622  200001421351  053400221555  063400221622
       TSX   010K'0  TRA   0+02•T  LXA   5108••  SXA   6108•A  LXA   510K•B  TIX   +01K•R  LXA   5108••  SXA   6108•B
21350  002000021355  063400421622  007400421424  050000021554  044100024576  007400421446  002000021663  050000021620
       TRA   0+02=•  SXA   610K•B  TSX   010K'D  CLA   5002••  LDI   4J02N•  TSX   010K'0  TRA   0+02•T  CLA   5002••
21360  040000024346  060100021620 -076000000142  002000021367  050000021623  040000024346  060100021623  053400421621
       ADD   4002L0  STO   6102••  SLT   P 001K  TRA   0+02=X  CLA   5002•C  ADD   4002L0  STO   6102•C  LXA   510K•A
21370 -200001421374  063400421621  007400421446  002000021663  053400221554  063400221621  050000021623  056000024345
       TNX   01K=(   SXA   610K•A  TSX   010K'0  TRA   0+02•T  LXA   5108••  SXA   6108•A  CLA   5002•C  LDQ   5 02LN
21400  022100021620  076000000012  002000021406  013100000000  040200021604 -012000021414  053400421555  063400421622
       DVP   2A02••  DCT   7 000•  TRA   0+02•6  XCA   110000  SUB   4202•4  TMI   J+02''  LXA   510K••  SXA   610K•E
21410  007400421446  060000021623  060000021620  002000021663  053400421622 -200001421406  063400421622  007400421424
       TSX   010K'0  STZ   6002•C  STZ   6002••  TRA   0+02•T  LXA   510K•B  TNX   01K'6   SXA   610K•B  TSX   010K'D
21420  050000021554  044100024576  007400421446  002000021663  063400421443  052200400001 -076000000144  002000021432
       CLA   5002••  LDI   4J02N•  TSX   010K'0  TRA   0+02•T  SXA   610K'L  XEC   580-01  SLT   P 001M  TRA   0+02'•
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21430  076000000144  040050400001  073400200000  007400414242  100001021437  027051000451  000000021445  050000030047
       SLW  7 001P  ADD + 40 -01  PAX  7 0+00  TSX  010JRR  TXI  8012*+        2YR04R  HTR  0002*R  CLA  50030P
21440  060200024346  060100030047  200001221433  007400456474  002000400007  060000003060  063400421473  007400413672
       SUB  4202LC  STO  61030P  TIX  +018*.  AXT  710R..  TRA  0+0-02  HTR  0003H   SXA  610R*,  TSX  010J*+
21450  100002721454  027051015530  000000014154  000000021406  050000021564  007400406464  050000021566  007400406664
       TXI  8022*+        2YR1+H  HTR  0001J+  HTR  0002*6  CLA  5002+U  TSX  010-WU  CLA  5002+W  TSX  010-WU
21460  050000021567  007400406664  007400413472  100000021465  027051015530  007400434467  021234003060  021510021522
       CLA  5002+X  TSX  010-WU  TSX  010J1+  TXI  8002*-        2YR1+H  TSX  010-WX         2X10H         2+82+3
21470  300004027044  076100000000  076100000000  077400456472  050000030047  040000024346  060100030047  052000400001
       TXH  10P2V0  NOP  770000  NOP  770000  AXT  710WJ+  CLA  50030P  ADD  4002LC  STO  61030P  TRA  5+0-01
21500 -050000021551  060200021470  050000021550  060100021471  060100021472  050000021553  062100021475  002000021163
       CAL  5002*R  SLW  6202*V  CLA  5002+0  STO  6102*Z  STO  6102**  CLA  5002+S  STA  6A02*+  TRA  0+029I
21510  007400414014  100001021514  027051003512  060000021643  007400413472  100000021517  027051000516  042000000001
       TSX  010J-*  TXI  8012**        2YR0++  HTR  0002+L  TSX  010J1+  TXI  8002++        2YR05+  HPR  4+0001
21520  002000021517  000000021521  007400404463  000000003060  007400414014  100001021530  027051003523  000000021657
       TRA  0+02++  HTR  0002+A  TSX  010-NT  HTR  0000H   TSX  010J-*  TXI  8012+H        2YR0+C  HTR  0002+-

21530  007400413472  100000021533  027051000525  007400413672  100002021540  027051003524  000000014154  000000021657
       TSX  010J1+  TXI  9002+.        2YR05E  TSX  010J+-  TXI  8022+-        2YR0+D  HTR  0001J+  HTR  0002+-
21540  007400413472  100000021543  027051000527  007400414463  100001021547  027051000530  000000003211  002000073551
       TSX  010J1+  TXI  8002+L        2YR05*  TSX  010JRI  TXI  8012+P        2YR05H  HTR  0000+9  TRA  0+02+R
21550  076100000000  300400077046  000000000007  000000024346  050000000012  050000000012  000000000003  000000000002
       NOP  770000  TXH  H402TJ  HTR  00007   HTR  0002L0  HTR  000004  HTR  00000+  HTR  000003  HTR  000002
21560  000000000044  000000000014  000000003375  000000000000  000000000014  000000000014  000000003014  000000000001
       HTR  00000M  HTR  00000*  HTR  00003+  HTR  000000  HTR  00000*  HTR  00000*  HTR  00000*  HTR  000001
21570  000000000036 -000000000000  000000000003  000000000036  000000000014  000000000014  000000000014  000000000001
       HTR  00000F        -00000  HTR  000003  HTR  00000+  HTR  00000*  HTR  00000*  HTR  00000*  HTR  000001
21600 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000  000000190000 -340735604431 -054762137346
             -00000        -00000        -00000        -00000        -00000  HTR  000800  TXL  (7H MI  LCHM+ NPS+.0
21610  010273056773  073060452370  236213734601  027365677310  306031452431  236313734601  026161616134  000000000000
             12.5X,        TH NCY  TIX  CS+.01        2.5X.8  TXH  N INDI  TIX  CT+.01  OFMP+ //////  HTR  000000
21620  000000000000  000000000000  000000000000  000000000000 -340111306031 -034325272143 -203145476463 -204446242561
       HTR  000000  HTR  000000  HTR  000000  HTR  000000  TXL  (17H I        LLEGAL  TNX   INPUT  TNX   MODE/
21630 -216161346060 -340407306031  213162256062  312745607231 -236063456031  254725216360 -052567636031 -054764637360
       TNX  ////)   TXL  (47H R  TIX  AISE S  TXH  (GN BI  TNX  T TO *  TIX   EPEAT        NEXT I  LCHM+ NPUT,
21640  303163606263  215163616 61 -213460606060 -340202305031 -054764636063  214725606445 -112521242122 -037561616161
       TXH  HIT ST  TIX  ART///  TNX  /)      TXL  (22H I  LCHM+ NPUT T  TIX  APE UN         READAB        LE////
21650  346060606060 -206060606060 -346161610306  306025452460 -052466314547 -246333606231 -044443216331 -064560234644
       TXH  )       TNX           TXL  ////36  TXH  H END         OF INP  TNX  UT. SI         MULATI         N COM
21660 -074325632533 -206101300134  000000021662  077400100000  063400121707  050000024346  060100024364  044100024576
             PLETE.  TNX  /1H1)  HTR  0002+S  AXT  710800  SXA  610++2  CLA  5002LC  STO  6102LU  LDI  4J02N+
21670  005500000100  005700000200  060400024576  050000130055  060100024377  060000130063  050000021550  060100022237
       SIR  0+0010  RIR  0+0020  STI  6402N+  CLA  500+0+  STO  6102L+  STZ  600+0T  CLA  5002+0  STO  61028+
21700  060100022336  060000024360  077400271640  060000024356  [illegible]   077400600000  063400221747  063400121750
       STO  6102C+  STZ  6002L   AXT  710G+-  STZ  6002L+  STZ  6002LV  AXT  710 00  SXA  610G+P  SXA  610++G
21710  050000024365  040000024346  060100024365  050000230316 -073400400000  063400424573  063400421764  177764221720
       CLA  5002LV  ADD  4002L0  STO  6102LV  CLA  500C3+  PDX  P10-00  SXA  610KN.  SXA  610K+U  TXI  ++UB++
21720  073400400000  063400424572  060000024357 -300000421767  044100024576  005400000002  100001121727  050000130066
       PAX  710-00  SXA  610KN+  STZ  6002L+  TXL  Y00K+X  LDI  4J02N+  RFT  0+0002  TXI  8018+G  CLA  500+0W
21730  073700100000  056060230303  014000021733 -062500024454  020000230303  076000000010  014000023601  014000021740
       PAC  7+0800  LDQ + 5 C33  TOV  1-02*.  STL  0E02M+  MPY  200C33  PSE  7 0008  TOV  1-02+1  TOV  1-02+-
21740  077100000004 -062500024454  040000024357  014000023601  060100024357  177777221746  200001421731  077400471426
       ARS  720004  STL  0E02M+  ADD  4002L+  TOV  1-02+1  STO  6102L+  TXI  +++B.0  TIX  +01K+I  AXT  710P*F
21750  077400177766  056000024357  014000021753 -062500024454  020000130055  076300000002  076000000010  014000023601
       AXT  710++W  LDQ  5 02L+  TOV  1-02+S  STL  0E02M+  MPY  200+0+  LLS  710002  PSE  7 0008  TOV  1-02+1
21760  060100430306  044100024576  005500000002  002000021761 -077400300174 -063400421766  177600222032  053400421764
       STO  610L36  LDI  4J02N+  RNT  0+0002  TRA  0+02+X  AXC  P10 11  SXD  010F+W  TXI  ++4B++  LXA  510K+U
21770 -300000422032  050000130054  073700100000  060000024357  050000022124  060100022042  056060230303  014000022000
       TXL  Y00K++  CLA  500+0+  PAC  7+0800  STZ  6002L+  CLA  5002+0  STO  6102+K  LDQ + 5 C33  TOV  1-02+0
22000 -062500024454  020000230303  076000000010  014000023601  014000022005  077100000004 -062500024454  040000024357
       STL  0E02M+  MPY  200C33  PSE  7 0008  TOV  1-02+1  TOV  1-02+5  ARS  720004  STL  0E02M+  ADD  4002L+
22010  014000023601  060100024357  177777222013  200001421776  053400421747  053400121750  056000024357  014000022020
       TOV  1-02+1  STO  6102L+  TXI  +++B+X  TIX  +01K++  LXA  510K+P  LXA  510++0  LDQ  5 02L+  TOV  1-02++
22020 -062500024454  020000130056  076300000002  076000000010  014000023601  014000022026 -062500024454  040000130063
       STL  0E02M+  MPY  200+0+  LLS  710002  PSE  7 0008  TOV  1-02+1  TOV  1-02+F  STL  0E02M+  ADD  400+0T
22030  014000023601  060100430305  053400421747  050000130065  040000024351  062100022061  077100000022  062100022050
       TOV  1-02+1  STO  610L35  LXA  510K+P  CLA  500+0V  ADD  4002LR  STA  6A02+/  ARS  720008  STA  6A02+Q
22040  050000430306  014000022042  040000430305  076700000010  012000022047 -075400000000  010000022050  014000022160
       CLA  500L36  TOV  1-02+K  ADD  400L35  ALS  7X0008  TPL  1+02+P  PXD  P+0000  TZE  1002+Q  TOV  1-02A
22050  060100430314  014000022052  077100000005 -062500024454  040000024356  014000023577  060100024356  [illegible]
       STO  610L3*  TOV  1-02+-  ARS  770005  STL  0E02M+  ADD  4002L+  TOV  1-02++  STO  6102L+  NZT  N+02L
22060  002000022100  050000430315  040260022050  056000024345  022160022061  076000000012  002000022070  013100000000
       TRA  0+02A0  CLA  500L3+  SUB + 42 2+Q  LDQ  5 02LN  DVP + 2A 2+/  SCT  7 000+  TRA  0+02+Y  XCA  110000
22070  076000000003  014000022072  077100000001 -062500024454  040200030051  014000024454 -012000022100  076000000143
       SSP  7 0003  TOV  1-02++  ARS  770001  STL  0E02M+  SUB  42030R  TOV  1-02M+  TMI  J+02A0  SLW  7 001L
22100  050000230303  012000021706  053400424360  300000422113  044100024576  005500000002  050000022125  060100022042
       CLA  500C33  TPL  1+02+6  LXA  510KL   TXH  HOOKA+  LDI  4J02N+  SIR  0+0002  CLA  5002AE  STO  6102 X
22110  060400024576  077400400031  002000022116 -076000000143  002000022203 -200001422126  063400424360  053400121750
       STI  6402N+  AXT  710-01  TRA  0+02A+  SLT  P 001L  TRA  0+0283  TNX  01KAF   SXA  610KL   LXA  510++Q
22120  056000130065 -077300000022 -060000130065  002000021702  050000430305  040000430305  002000022127  050000130055
       LDQ  5 0+0V  RQL  P,0008  STQ  000+0V  TRA  0+02+2  CLA  500L35  ADD  400L35  TRA  0+02AG  CLA  500+0+
22130  040200030052  012000022133 -075400000000  060100130055  060100024570  007400403631  100003022143  027051003777
       SUB  42030-  TPL  1+02A.  PXD  P+0000  STO  610+0+  STO  6102NY  TSX  010-+I  TXI  8032AL        2YR0++
22140  000000024570  000000024633  000000024570  007400413672  100002022150  027051004000  200000314154  000000024146
       HTR  0002NY  HTR  00020.  HTR  0002NY  TSX  010J++  TXI  8022AQ        2YR0-0  HTR  0001J+  HTR  0002J0
22150  050000024364  007400406664  050000024570  007400406664  007400413472  100000022157  027051004000  002000021701
       CLA  5002LL  TSX  010-WU  CLA  5002NY  TSX  010-WU  TSX  010J1+  TXI  8002A+        2YR0-0  TRA  0+02+1
22160  050000024634  002000022050 -063400422277  053500403321  177777422165 -340201306046 -246347646360  062660234644
       CLA  50020I  TRA  0+02+Q  SXD  (10KB+  LAC  5+0-.A  TXI  +++KAV  TXL  (31H 0  TNX  UTPUT          OF COM
22170 -074645254563 -206346604321 -112725601373  261133043460 -340204306031 -252143206265  214360316260 -234665432151
             PONENT  TNX   TO LA         RGE +,  TIX  F9.4)  TXL  (24H I  TNX  V+L+SV  TIX  AL IS   TNX  TO LAR
22200  272560137326  113304346060  000000000000  005700000002  076000000016  060400024576  056000130064  020000024344
       TIX  GE +,F  TXI  9.4)   HTR  000000  RIR  0+0002  LMTM  7 000+  STI  6402N+  LDQ  5 0+0U  MPY  2002LM
22210  060100024375  050000130064  040200024356 -034000024375  002000022217  002000022621  002000022621  044100022546
       STO  6102L+  CLA  500+0U  SUB  4202L+  LAS  L-02L+  TRA  0+02B+  TRA  0+02FA  TRA  0+02FA  LDI  4J02[illegible]
22220  060100022556  005400000004  002000022332  005400000002  002000022266  005400000001  002000022251  060100022555
       STO  6102E+  RFT  0+0004  TRA  0+02C+  RFT  0+0002  TRA  0+02BW  RFT  0+0001  TRA  0+02BR  STO  6102E+
22230  013100000000 -075400000000  022100024365  013100000000  056000022555  076300000000  077100000003  076100000000
       XCA  110000  PXD  P+0000  DVP  2A02LV  XCA  1,0000  LDQ  5 02E+  LLS  770000  ARS  770003  NOP  770000
22240  060100022552  040000130063  060100130063  005500000001  060400022546  050000024356  060100022547  050000130063
       STO  6102E-  ADD  400+0T  STO  610+0T  SIR  0+0001  STI  6402E0  CLA  5002L+  STO  6102EP  CLA  500+0T
22250  002000022557  060100022556  050000024356  034000022547  002000022256  002000022520  040200022547  060100022555
       TRA  0+02E+  STO  6102E+  CLA  5002L+  CAS  3-02EP  TRA  0+02B+  TRA  0+02E+  SUB  4202EP  STO  6102ES
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22260  056000022555 -012000022264  016200022265  002000022354  016200022354  002000022267  060100022556  050000022556
       LDQ   5 02E*  TMI   J+02BU  TQP   1S02BV  TRA   0+02C*  TQP   1S0?C*  TRA   0+02BX  STO   6102F*  CLA   5002F*
22270  056000022555 -012000022274  016200022275  002000022324  016200022324  050000022554  010000022301  050000022552
       LDQ   5 02E*  TMI   J+02BI  TQP   1S02B*  TRA   0+02CD  TQP   1S02CD  CLA   5002E*  TZE   1002CI  CLA   5002E-
22300  002000022316 -075400000000  013100000000  050000022553  022100022555  076000000012  002000022533 -060000022554
       TRA   0+02C*  PXD   P*0000  XCA   110000  CLA   5002E$  DVP   2A02E*  DCT   7 000*  TRA   0+02E.  STQ   0002E*
22310  050000022552  0221000225?4  076000000012  002000022342  013100000000  040200022552  060100022552  005500000002
       CLA   5002E-  DVP   2A02E*  DCT   7 000*  TRA   0+02CK  XCA   110000  SUB   4202E-  STO   6102E-  SIR   0*0002
22320  060400022546  040000130063  014000022512  002000022551  050000022552  076000000003  060100022544  005500000004
       STI   6402E0  ADD   400*0T  TOV   1-02E*  TRA   0+02E*  CLA   5002E-  SSP   7 0003  STO   6102EM  SIR   0*0004
22330  060400022546  060100022551  050000022551  077100000001  056000022556  076300000000  076100000000  060100022551
       STI   6402E0  STO   6102ER  CLA   5002ER  ARS   720001  LDQ   5 02E*  LLS   7T0000  NOP   7/0000  STO   6102ER
22340  040000130063  002000022557  076500000000  005400000002  002000022350  050000024635  076300000000  002000022316
       ADD   400*0T  TRA   0+02E*  LRS   7V0000  RFT   0*0002  TRA   0+02CQ  CLA   5002O*  LLS   7T0000  TRA   0+02C*
22350  050000022552  040000130063  014000022512  002000022557  050000022545  005400000010  050000021550  060100022237
       CLA   5002E-  ADD   400*0T  TOV   1-02E*  TRA   0+02E*  CLA   5002EN  RFT   0*0008  CLA   5002*Q  STO   6102B*
22360  060100022336  005400000010  002000022373  005500000010  060400022546  050000022552  076000000002  060100022552
       STO   6102C*  RFT   0*0008  TRA   0+02C,  SIR   0*0008  STI   6402E0  CLA   5002E-  CHS   7 0002  STO   6102E-
22370  076700000001  040000130063  002000022557  005700000010  060400022546  050000022552  076000000002  040000130063
       ALS   7X0001  ADD   400*0T  TRA   0+02F*  RIR   0*0008  STI   6402E0  CLA   5002E-  CHS   7 0002  ADD   400*0T
22400  060100130053  050000022552  076000000002  077100000001  060100022552  040000130063  002000022557  044100022546
       STO   610*0T  CLA   5002E-  CHS   7 0002  ARS   720001  STO   6102E-  ADD   400*0T  TRA   0+02E*  LDI   4J02E0
22410  060100022556  005400000004  002000022332  005400000002  002000022425  005600000001  002000022435  040200022547
       STO   6102E*  RFT   0*0004  TRA   0+02C*  RFT   0*0002  TRA   0+02DE  RNT   0*0001  TRA   0+02D*  SUB   4202EP
22420  056000022555 -012000022424  016200022425  002000022354  016200022354  050000022552  077100000001  060100022552
       LDQ   5 02E*  TMI   J+02DD  TQP   1S02DE  TRA   0+02C*  TQP   1S02C*  CLA   5002E-  ARS   720001  STO   6102E-
22430  040200130063  076000000002  005500000002  060400022546  002000022557  060100022547  050000130063 -010000022455
       SUB   420*0T  CHS   7 0002  SIR   0*0002  STI   6402E0  TRA   0+02E*  STO   6102EP  CLA   500*0T  TNZ   J002D*
22440  050000024365  060100022550  050000024636  013100000000 -075400000000  022100022550  076300000003  013100000000
       CLA   5002LV  STO   6102EQ  CLA   5002O*  XCA   110000  PXD   P*0000  DVP   2A02EQ  LLS   7T0003  XCA   110000
22450  056000022547  076300000000  076000000002  060100022552  002000022557  050000024356  056000022547 -012000022462
       LDQ   5 02EP  LLS   7T0000  CHS   7 0002  STO   6102E-  TRA   0+02E*  CLA   5002L*  LDQ   5 02EP  TMI   J+02DS
22460  016200022463  002000022473  016200022473  050000024365  034000022550  002000022501  002000022501  050000022552
       TQP   1S02DT  TRA   0+02D,  TQP   1S02D,  CLA   5002LV  CAS   3-02EQ  TRA   0+02EI  TRA   0+02EI  CLA   5002E-
22470  040000130063  014000022506  002000022557  050000022552  077100000001  060100022552  040200130063  076000000002
       ADD   400*0T  TOV   1-02E6  TRA   0+02E*  CLA   5002E-  ARS   720001  STO   6102E-  SUB   420*0T  CHS   7 0002
22500  002000022557  050000022552  0 .00000001  040000022552  060100022552  002000022354  013100000000  050000024636
       TRA   0+02E*  CLA   5002E-  ARS   720001  ADD   4002E-  STO   6102E-  TRA   0+02C*  XCA   110000  CLA   5002O*
22510  076300000000  002000022557  050000022552  077100000001  060100022552  040000130063  014000022512  002000022557
       LLS   7T0000  TRA   0+02E*  CLA   5002E-  ARS   720001  STO   6102E-  ADD   400*0T  TOV   1-02E*  TRA   0+02E*
22520  050000022552  076700000001  060100022552  040000130063  014000022526  002000022557  050000024637  056000022552
       CLA   5002E-  ALS   7X0001  STO   6102E-  ADD   400*0T  TOV   1-02EF  TRA   0+02E*  CLA   5002O*  LDQ   5 02E-
22530  076300000000  060100022552  002000022557  007400413672  100002022540  027051001504  000000014154  000000024205
       LLS   7T0000  STO   6102E-  TRA   0+02E*  TSX   0(0J)=  TXI   9022E-        2YRO*4  HTR   0001J*  HTR   0002K5
22540  007400413472  100000022543  027051001505  002000021023  000345171067  076000000002  000000000000  006102465330
       TSX   0(0J)=  TXI   8002EL        2YRO*5  TRA   0+028C        03N*8X  CHS   7 0002  HTR   000000  TCOB  0/20$H
22550  000000000000  000345171106 -000104123257 -001041232550  000000000000 -002102465330 -001041232560  060100130063
       HTR   000000  HTR   00)RZ6        -14***        -8JCEQ  HTR   000000  ESNT  -A20$H         -8JCE  STO   610*0T
22560  060100024570  044100024576  005700000002  060400024576  050000021563  040000024346  060100021563  050000024377
       STO   6102NY  LDI   4J02N*  RIR   0*0002  STI   6402N*  CLA   5002*T  ADD   4002L0  STO   6102*T  CLA   5002L*
22570  060100130055  050000024222 -032000021605  010000021701  007400403631  100003022602  027051001537  000000024570
       STO   610*0*  CLA   5002K8  ANA   L+02*5  TZE   1002*1  TSX   0(0-*I  TXI   8032F2        2YRO**  HTR   0002NY
22600  000000024640  000000024570  007400413672  100002022607  027051004053  000000014154  000000024167  050000024364
       HTR   0002O-  HTR   0002NY  TSX   0(0J*=  TXI   0022F7        2YRO-$  HTR   000:J*  HTR   0002JX  CLA   5002LU
22610  007400406664  050000024570  007400406664  050000022546  007400406664  007400413472  100000022620  027051004053
       TSX   0(0-WU  CLA   5002NY  TSX   0(0-WU  CLA   5002E0  TSX   0(0-WU  TSX   0(0J)=  TXI   8002F+        2YRO-$
22620  002000021701  053400121750  060000022554  060000022546  056000130066 -077300000022 -050000130065 -076500000022
       TRA   0+02*1  LXA   510**0  STZ   6002E*  STZ   6002E0  LDQ   5 0=0W  RQL   P,0008  CAL   N00=0V  LGR   PV0008
22630  062100130066 -060000130065  007400423631  050000230303  010000022642  063400221702  050000024346  040000024364
       STA   6A0=0*  STQ   000=0V  TSX   0(0K*I  CLA   500C33  TZE   1002FK  SXA   6)0B*2  CLA   5002L0  ADD   4002LU
22640  060100024364  177766121673  050000130066  073700100000  044100024576  005700000100  005500000200  060400024576
       STO   6102LU  TXI   **K**,  CLA   500=0W  PAC   7*0800  LDI   4J02N*  RIR   0*0010  SIR   0*0020  STI   6402N*
22650  053500221702  075400200000  040000024351  077400200000  060000224404  053400424361  062100022660  062100022667
       LAC   5*08*2  PXA   7*0+00  ADD   4002LR  AXT   7(0+00  STZ   600BM4  LXA   5)0KL/  STA   6A02F   STA   6A02FX
22660  050000136655  014000022662  077100000005 -062500024454  040000224404  014000023577  060100224404  050060036655
       CLA   500*W*  TOV   1-02FS  ARS   720005  STL   0E02M*  ADD   400BM4  TOV   1-02**  STO   610BM4  CLA * 50 3W*
22670  010000022674  050060022667  200001422656  177777222654  060000024376  044100024576  005400000400  002000022737
       TZE   1002F(  CLA * 50 2FX  TIX   +01KF*  TXI   ***BF*  STZ   6002L*  LDI   4J02N*  RFT   0*0040  TRA   0+02G*
22700  063400122736  077400100000  060000024455  177777222704 -063400222755  050000024455  040000024346  060100024455
       SXA   610*G*  AXT   710800  STZ   6002M*  TXI   ***BG4  SXD   0)0BG*  CLA   5002M*  ADD   4002L0  STO   6102M*
22710  050000124404  060100024570  007400403631  100003022720  027051004147  000000024570  000000024641  000000024570
       CLA   500*M4  STO   6102NY  TSX   0(0-*I  TXI   8032G+        2YRO.JP  HTR   0002NY  HTR   0002OJ  HTR   0002NY
22720  007400413672  100002022725  027051004147  000000014154  000000024214  050000024455  007400406664  050000024570
       TSX   0(0J**  TXI   8022GE        2YROJP  HTR   0001J*  HTR   0002K'  CLA   5002M*  TSX   0(0-WU  CLA   5002NY
22730  007400406664  007400413472  100000022734  027051004147  177777122735  377776122705  077400177767 -063400222754
       TSX   0(0-WU  TSX   0(0J)=  TXI   8002G)        2YROJP  TXI   ***(G*  TXH   ***(G5  AXT   7(0**X  SXD   0)0BG*
22740  053500427050  100001422742  056000424404  060000424404  077400400000  050000424404  044100024576  005400000400
       LAC   5*0KYU  TXI   801KGK  LDQ   5 0KM4  STZ   600KM4  AXT   7(0-00  CLA   500KM4  LDI   4J02N*  RFT   0*0040
22750  040000024376  004000022776  060100024376  177777422754  377776422745  007400413672  100002022762  027051004177
       ADD   4002L*  TLQ   0-02G*  STO   6102L*  TXI   ***KG*  TXH   ***KGN  TSX   0(0J**  TXI   8022GS        2YROJ*
22760  000000014154  000000024230  050000024262  040000024346  060100024262  007400406664  050000027047  007400406664
       HTR   0001J*  HTR   0002KH  CLA   5002KS  ADD   4002L0  STO   6102KS  TSX   0(0-WU  CLA   5002YP  TSX   0(0-WU
22770  007400413472  100000022773  027051004177  050000024354  076000000142  002000023015  007400413672  100002023003
       TSX   0(0J)*  TXI   8002G,        2YROJ*  CLA   5002L*  SLN   7 00IK  TRA   0+02H*  TSX   0(0J**  TXI   8022H3
  000  027051004210  000000014154  000000024242  050000024262  040000024346  060100024262  007400406664  050000027047
             2YROK8  HTR   0001J*  HTR   0002KK  CLA   5002KS  ADD   4002L0  STO   6102KS  TSX   0(0-WU  CLA   5002YP
23010  007400406664  007400413472  100000023014  027051004210  050000024355  062100023042  050000024222  077100000004
       TSX   0(0-WU  TSX   0(0J)=  TXI   8002H'        2YROK8  CLA   5002I*  STA   6A02HK  CLA   5002KB  ARS   720004
23020 -032000024346 -010000021240  077400100000  044100024576  005700000300  060400021576  050000024352  060100024353
       ANA   (+02L0  TNZ   J002*-  AXT   710800  LDI   4J02N*  RIR   0*0030  STI   6402N*  CLA   5002L-  STO   6102L$
23030  050000024632  060100023517  050000024565  040200024632  073400400000  010000023520  063400423523  050000130056
       CLA   50(20*  STO   6102**  CLA   5002NV  SUB   4202O*  PAX   7)0-00  TZE   1002**  SXA   6)0K*C  CLA   500*0W
23040  062100023041 -077400200011  056000130057  014000023044 -062500024454  020060024353  014000023601  060100024460
       STA   6A02HJ  AXC   P(0*09  LDQ   5 0=0*  TOV   -02HM   STL   0E02M*  MPY * 20 2L$  TOV   1-02*1  STO   6102M0
23050  077400400004  063400424371 -077400200013  050060024353 -073400400000  063400423226  073400400000  063400423111
       AXT   7(0-04  SXA   6)0KLZ  AXC   P(0+0=  CLA * 50 2L$  PDX   P)0-00  SXA   610K+F  PAX   7)0-00  SXA   610K19
23060  063400424402  063400124363  050000130066  073700100000 -077400200014  063400223112  300000423072  077400400002
       SXA   6)0KM2  SXA   610*LT  CLA   500=0W  PAC   7*0800  AXC   P(0+0'  SXA   6)0BI*  TXH   400KH*  AXT   7(0-02
23070  063400424371  002000023212  060000024357  050060237067  014000023075  077100000006 -062500024454  040000024357
       SXA   610KLZ  TRA   0+02**  STZ   6002L*  CLA * 50 CYX  TOV   1-02H*  ARS   720006  STL   0F02M*  ADD   4002L*
23100  014000023601  060100024357  177777223103  200001423073  013100000000 -075400000000  022000024402  076300000006
       TOV   1-02*1  STO   6102L*  TXI   ***B13  TIX   +0'KH,  XCA   110000  PXD   P*0000  DVH   2+02*2  LLS   7T0006
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23110	-060000024403	077400400174	077400277566	060000024401	050060237067	040200024403	013100000000	014000023120
	STO 000M3	AXT 7(0-1(	AXT 710G*W	STZ 6002M1	CLA * 50 CYX	SUB 4202M3	XCA 110000	TOV 1-02I+
23120	020000030050	-062500024454	014000023601	013100000000	014000023125	-062500024454	020000024400	076300000001
	MPY 200300	STL 0E02M*	TOV 1-02*1	XCA 110000	TOV 1-02IE	STL 0E02M*	MPY 2002M0	LLS 7T0001
23130	014000023601	014000023132	056060024353	-062500024454	040060024353	014000023601	012000023141	016200023142
	TOV 1-02*1	TOV 1-02I+	LDQ * 5 2L$	STL 0E02M*	ADD * 40 2L$	TOV 1-02*1	TPL 1+02IJ	TQP 1S02IK
23140	002000023143	016200023143	-075400000000	-032000024350	034000030053	050000030053	076100000000	076300000000
	TRA 0+02IL	TQP 1S02IL	PXD P*0000	ANA L+02LQ	CAS 3-030$	CLA 50030$	NOP 7/0000	LLS 7T0000
23150	013100000000	-062060024353	013100000000	076000000003	044100024576	005400001000	007400723376	014000023160
	XCA 110000	SLQ * 0+ 2L$	XCA 110000	SSP 7 0003	LDI 4J02N*	RFT 0*0080	TSX 0(0=.*	TOV 1-02I
23160	077100000005	-062500024454	040000024401	014000023577	060100024401	177777223166	050060024353	044100024576
	ARS 7Z0005	STL 0E02M*	ADD 4002M1	TOV 1-02**	STO 6102M1	TXI ***B1W	CLA * 50 2L$	LDI 4J02N*
23170	005400002000	002000023173	-017000023175	200001423114	002000023204	-062500023375	002000023234	-200001423210
	RFT 0*00+0	TRA 0+02I,	TMI J+02I*	TIX +01KI'	TRA 0+02*4	STL 0E02.*	TRA 0+02*)	TNX 01K*8
23200	044100024576	005500002000	060400024576	002000023112	005700002000	060400024576	-062500023375	002000023234
	LDI 4J02N*	SIR 0*00+0	STI 6402N*	TRA 0+02I*	XIR 0*00+0	STI 6402N*	STL 0E02.*	TRA 0+02*)
23210	053400424371	-200000 423460	053400124363	177776123214	052200023042	052200023041	014000023217	-062500024454
	LXA 510KLZ	TNX 01K)	LXA 510*LT	TXI ****'*	XEC 5B02HK	XEC 5B02HJ	TOV 1-02**	STL 0E02M*
23220	020060024353	014000023601	060100024400	053400124363	050000130054	073700100000	077400400174	-300000423460
	MPY * 20 2L$	TOV 1-02*1	STO 6102M0	LXA 510*LT	CLA 500=0*	PAC 7*0800	AXT 7(0-1(	TXL Y00K)
23230	063400423111	063400424402	052200023112	002000023072	-063400223302	-063400223365	053400224371	177770223240
	SXA 610KI9	SXA 610KM2	XEC 5B02I*	TRA 0+02H*	SXD 0108.2	SXD 0108.V	LXA 510BLZ	TXI **YB*-
23240	050060024353	040200024401	-034000024362	002000023246	002000023367	002000023367	060100024373	076500000000
	CLA * 50 2L$	SUB 4202M1	LAS L-02LS	TRA +02*0	TRA 0+02.X	TRA 0+02.X	STO 6102L,	LRS 7V0000
23250	052200023112	060000024401	060000023457	050060024353	-032000024350	034000030053	016200023301	016200023301
	XEC 5B02I*	STZ 6002M1	STZ 6002I*	CLA * 50 2L$	ANA L+02LQ	CAS 3-030$	TQP 1S02.1	TQP 1S02.1
23260	-010000023263	016200023263	002000023301	060100024134	050000023457	040000024632	060100023457	044100024576
	TNZ J002+T	TQP 1S02+T	TRA 0+02.1	STO 6102JJ	CLA 5002I*	ADD 4002O+	STO 6102I*	LDI 4J02N*
23270	005400001000	007400723376	050000024134	014000023274	077100000 05	-062500024454	040000024401	014000023577
	RFT 0*0080	TSX 0(0=.*	CLA 5002JJ	TOV 1-02*(	ARS 7Z0005	STL 0E02M*	ADD 4002M1	TOV 1-02**
23300	060100024401	177777223302	377566223253	050000024401	060100023525	060000024401	052200023112	050060024353
	STO 6102M1	TXI ***B.2	TXH **YB+$	CLA 5002M1	STO 6102*E	STZ 6002M1	XEC 5B02I*	CLA * 50 2L$
23310	-032000024350	056000024373	034000030053	016200023356	016200023356	-010000023320	016200023320	002000023356
	ANA L+02LQ	LDQ 5 02L,	CAS 3-030$	TQP 1S02.*	TQP 1S02.*	TNZ J002.+	TQP 1S02.+	TRA 0+02.*
23320	056000024345	044100024576	005400001000	007400723407	076500000006	022100023525	076000000012	007400623452
	LDQ 5 02LN	LDI 4J02N*	RFT 0*0080	TSX 0(0=)7	LRS 7V0006	DVP 2A02*E	DCT 7 000*	TSX 0(0S)-
23330	020000024373	076300000006	040100024353	-014000023336	-012000023344	050000030053	-012000023344	-032000024350
	MPY 2002L,	LLS 7T0006	ADM * 41 2L$	TNO J-02.*	TMI J+02.M	CLA 50030$	TMI J+02.M	ANA L+02LQ
23340	034000030053	050000030053	002000023345	012000023345	-075400000000	056060024353	076300000000	013100000000
	CAS 3-030$	CLA 50030$	TRA 0+02.N	TPL 1+02.N	PXD P*0000	LDQ * 5 2L$	LLS 7T0000	XCA 110000
23350	-062060024353	013100000000	076000000003	044100024576	005400001000	007400723376	014000023357	077100000005
	SLQ * 0+ 2L$	XCA 110000	SSP 7 0003	LDI 4J02N*	RFT 0*0080	TSX 0(0=.*	TOV 1-02.*	ARS 7Z0005
23360	-062500024454	040000024401	014000023577	060100024401	177777223365	377566223307	002000023236	-053400223302
	STL 0E02M*	ADD 4002M1	TOV 1-02**	STO 6102M1	TXI ***B.V	TXH **WB.7	TRA 0+02**	LXD N10B.2
23370	063400223112	050000024371	040200024346	060100024371	-077400200001	002000223207	013100000000	020060024353
	SXA 610BI*	CLA 5002LZ	SUB 4202LQ	STO 6102LZ	AXC P(0+01	TRA 0+0B+7	XCA 110000	MPY * 20 2 $
23400	014000023401	077100000004	-062500024454	076000000003	040000024401	014000023601	002000700006	056060024353
	TOV 1-02I1	ARS 7Z0004	STL 0E02M*	SSP 7 0003	ADD 4002M1	TOV 1-02*1	TRA 0+0Y06	LDQ * 5 2L$
23410	020060024353	060100024570	076500000006	022100023525	076000000012	007400623452	020000024373	076300000006
	MPY * 20 2L$	STO 6102NY	LRS 7V0006	DVP 2A02*E	DCT 7 000*	TSX 0(0S)-	MPY 2002L,	LLS 7T0006
23420	014000023421	040000024570	-062500024454	014000023601	-012000023344	060100024570	063400423450	007400403631
	TOV 1-02IA	ADD 4002NY	STL 0E02M*	TOV 1-02*1	TMI J+02.M	STO 6102NY	SXA 610K)0	TSX 0(0-*1
23430	100003023435	027051002365	000000024570	000000024642	000000024570	007400414167	100001023441	027051002366
	.XI 8032)*	2YR0CV	HTR 0002NY	HTR 0002DK	HTR 0002NY	TSX 0(0JJX	TXI 8012)J	2YR0CW
23440	000000024570	060100024570	007400403710	100002023447	027051002370	000000024570	000000024632	050000024570
	HTR 0002NY	STO 6102NY	TSX 0(0-*8	TXI 8022)P	2YR0CY	HTR 0002NY	HTR 0002O+	CLA 5002NY
23450	077400400000	002000023337	-075400000000	056000024643	022100023457	014000023456	002000600001	000000000071
	AXT 7(0-00	TRA 0+02.*	PXD P*0000	LDQ 5 02DL	DVP 2A02)*	TOV 1-02I*	TRA 0+0 01	HTR 00000Z
23460	077400200000	050060024353	062100024353	062100023073	062100023114	053400124363	050060024353	04 100024576
	AXT 7(0+00	CLA * 50 2L$	STA 6A02L$	STA 6A02H,	STA 6A02I'	LXA 510*LT	CLA * 50 2L$	LDI 4J02N*
23470	005400004000	000023526	012000023037	053400423523	-200001423476	177766123036	005500004000	060400024576
	RFT 0*00	0+02*F	TPL 1+02H*	LXA 510K*C	TNX 01K)*	TXI **W*H*	SIR 0*00-0	STI 6402N*
23500	177766123501	050000023517	034000027050	002000023505	002000023507	050000024355	002000023510	050000024354
	TXI **W*1	CLA 5002**	CAS 3 02YQ	TRA 0+02*5	TRA 0+02*7	CLA 5002L*	TRA 0+02*8	CLA 5002L*
23510	062100023042	050000024361	060100024455	050000023517	040000024632	060100023517	002000023037	000000000003
	STA 6A02HK	CLA 5002L/	STO 6102M*	CLA 5002**	ADD 4002O+	STO 6102**	TRA 0+02H*	HTR 000003
23520	060000023523	077400100012	002000023476	000000000001	000000036443	175051460000	010000023534	050000024455
	STZ 6002*C	AXT 7(080*	TRA 0+02)*	HTR 000001	HTR C003UL	TXI *QR000	TZE 1002*)	CLA 5002M*
23530	040200024632	060100024455	-010000023037	002000023501	005700004000	060400024576	007400426441	100005023546
	SUB 4202G+	STO 6102M*	TNZ J002H*	TRA 0+02*)	RIR 0*00-0	STI 6402N*	TSX 0(0KUJ	TXI 8052*0
23540	027051002462	000000021572	000000021573	000000021570	000000030303	000000024262	044100024576	002000022*0
	2YR0DS	HTR 0002*=	HTR 0002*,	HTR 0002*Y	HTR 000333	HTR 0002KS	LDI 4J02N*	TRA 0+02*-
23550	000000000200	063400223574	050000024262	076700000022	062200030047	007400426067	100003023563	027051002472
	HTR 000020	SXA 610B*(	CLA 5002KS	ALS 7X000B	STD 6B030P	TSX 0(0K X	TXI 8032*T	2YR0D*
23560	000000030047	000000024566	000000024575	007400414014	100001023567	027051004567	000000024772	007400413472
	HTR 00030P	HTR 0002NW	HTR 0002N*	TSX 0(0J-'	TXI 8012*X	2YR0NX	HTR 0002K*	TSX 0(0J)=
23570	100000023572	027051002474	076000000162	002000021023	077400200000	044100024576	002000021240	050000024346
	TXI 8002*=	2YR0DI	SWT 7 0015	TRA 0+028C	AXT 7(0+00	DI 4J02N*	TRA 0+02*-	CLA 5002LO
23600	060100023630	007400413672	100002023606	027051004603	000000014154	0000024613	050000024454	007400406664
	STO 6102*H	TSX 0(0J=*	TXI 8022*6	2YR003	HTR 0001J*	HTR 0002O+	CLA 5002M*	TSX 0(0-WU
23610	007400413472	100000023613	027051004603	050000023630	010000023623	044100024576	005400000100	002000023625
	TSX 0(0J)*	TXI 8002*=	2YR003	CLA 5002*H	TZE 1002*C	LDI 4J02N*	RFT 0*0010	TRA 0+02*E
23620	005400000200	002000023622	002000023623	042000023624	002000023623	050000024356	060000023630	002000022407
	RFT 0*0020	TRA 0+02*B	TRA 0+02*C	MPR 4+02*D	TRA 0+02*C	CLA 5002L*	STZ 6002*H	TRA 0+02D7
23630	000000000000	063400424131	053400121750	063400224127	063400124130	007400413716	100001023641	027051002432
	HTR 000000	SXA 610KJ1	LXA 510*0	SXA 610BJG	SXA 610*JH	TSX 0(0J**	TXI 8012*J	2YR0E*
23640	000000003211	050000024565	007400411722	050000024364	007400411722	050000024572	007400411722	050000024573
	HTR 0000+5	CLA 5002NV	TSX 0(0J*B	CLA 5002LU	TSX 0(0J*B	CLA 5002N*	TSX 0(0J*B	CLA 5002N,
23650	007400411722	050000130056	007400411722	050000130055	007400411722	050000130063	007400411722	050000130066
	TSX 0(0J*B	CLA 500=0*	TSX 0(0J*B	CLA 500=0*	TSX 0(0J*B	CLA 500=0T	TSX 0(0J*B	CLA 500=0W
23660	062100023667	062100023765	053500221702	075400200000	040000024352	062100023524	073700200000	050000200011
	STA 6A02*X	STA 6A02*V	LAC 5*0B*2	PXA 7*0+00	ADD 4002L-	STA 6A02*D	PAC 7*0+00	CLA 500+09
23670	007400411722	050060200000	-012000023675	050000200000	002000023666	007400413032	053400121750	050000130055
	TSX 0(0J*B	CLA * 50 +00	TMI J+02**	CLA 500+00	TRA 0+02*W	TSX 0(0J**	LXA 510*0	CLA 500=0*
23700	060100024570	007400403631	100003023707	027051002573	000000024570	000000024633	000000024570	050000130063
	STO 6102NY	TSX 0(0-*1	TXI 8032*7	2YR0E,	HTR 0002NY	HTR 0002O.	HTR 0002NY	CLA 500=0T
23710	060100024571	007400403631	100003023717	027051002576	000000024571	000000024640	000000024571	007400413672
	STO 6102NZ	TSX 0(0-*1	TXI 8032**	2YR0E*	HTR 0002NZ	HTR 0002U-	HTR 0002NZ	TSX 0(0J**
23720	100002023724	027051100.577	000000014154	000000024223	050000021563	007400406664	007400413472	100000023731
	TXI 8022*E	2YR0E*	HTR 0001J*	HTR 0002KC	CLA 5002*I	TSX 0(0-WU	TSX 0(0J1=	TXI 8002*1
23730	027051002602	060000021563	007400413672	100002023737	027051004624	0000000141 4	000000024306	050000024364
	2YR0F2	STZ 6002*T	TSX 0(0J**	TXI 8022**	2YR00D	HTR 0001J	HTR 0002L6	CLA 5002LU

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23740   007400406664  050000024570  007400406664  050000024571  007400406664  007400413472  100000023750  027051004624
        TSX   0(0-WU  CLA   5002NY  TSX   0(0-WU  CLA   5002N/  TSX   0(0-WU  TSX   0(0J)=  TXI   8002*Q        2YROOD
23750   007400413672  100002023755  027051002614  000000014154  000000024255  007400413472  100000023760  027051002615
        TSX   0(0J*=  TXI   8022**        2YROF*  HTR   0001J*  HTR   0002K*  TSX   0(0J)=  TXI   8002*         2YROF*
23760   050000023524  077400400005  073700200000  050000200001  060100424463  050000200011  060100424470  050060200000
        CLA   5002*C  AXT   7(0-05  PAC   7*0+00  CLA   500+01  STO   610KMT  CLA   500+09  STO   610KMY  CLA * 50 +00
23770  -012000023774  050000200000  200001423762  002000024000 -200001424000  060000424463  060000424470  002000023774
        TMI   J+02*(  CLA   500+00  TIX   +01K*S  TRA   0+02-0  TNX    01K-0  STZ   600KMT  STZ   600KMY  TRA   0+02*(
24000   007400403631  100003024006  027051004670  000000024463  000000024632  000000024463  007400403631  100003024014
        TSX   0(0-*1  TXI   6032-6        2YROOY  HTR   0002MT  HTR   00020+  HTR   0002MT  TSX   0(0-*1  TXI   8032-'
24010   027051004670  000000024464  000000024632  000000024464  007400403631  100003024022  027051004670  000000024465
              2YROOY  HTR   0002MU  HTR   00020+  HTR   0002MU  TSX   0(0-*1  TXI   8032-B        2YROUY  HTR   0002MV
24020   000000024632  000000024465  007400403631  100003024030  027051004670  000000024466  000000024632  000000024466
        HTR   00020+  HTR   0002MV  TSX   0(0-*1  TXI   8032-H        2YROUY  HTR   0002MW  HTR   00020+  HTR   0002MW
24030   007400403631  100003024036  027051004670  000000024467  000000024632  000000024467  007400413672  100002024043
        TSX   0(0-*1  TXI   8032-*        2YROOY  HTR   0002MX  HTR   00020+  HTR   0002MX  TSX   0(0J*=  TXI   8022-L
24040   027051004670  000000014154  000000024317  050000024456 -073400400000  063400424631 -032000024604  007400406664
              2YROOY  HTR   0001J*  HTR   0002L*  CLA   5002M*  PDX   P(0-00  SXA   6(0KOI  ANA   L+0204  TSX   0(0-WU
24050   050000024631  007400406664  050000024463  007400406664  050000024457 -073400400000  063400424631 -032000024604
        CLA   500201  TSX   0(0-WU  CLA   5002MT  TSX   0(0-WU  CLA   5002M*  PDX   P(0-00  SXA   6(0KOI  ANA   L+0204
24060   007400406664  050000024631  007400406664  050000024464  007400406664  050000024460 -073400400000  063400424631
        TSX   0(0-WU  CLA   500201  TSX   0(0-WU  CLA   5002MU  TSX   0(0-WU  CLA   5002M   PDX   P(0-00  SXA   6(0KOI
2407   -032000024604  007400406664  050000024631  007400406664  050000024465  007400406664  050000024461 -073400400000
        ANA   L+0.04  TSX   0(0-WU  CLA   5002L'  TSX   0(0-WU  CLA   5002MV  TSX   0(0-W.  CLA   5002M/  PDX   P(0-00
24100   063400424631 -032000024604  007400406664  050000024631  007400406664  050000024466  007400406664  050000024462
        SXA   6(0KOI  ANA   L+0204  TSX   0(0-WU  CLA   500201  TSX   0(0-WU  CLA   5002MW  TSX   0(0-WU  CLA   5002MS
24110  -07340040000C  063400424631 -032000024604  007400406664  050000024631  007400406664  050000024467  007400406664
        PDX   P(0-00  SXA   6(0KOI  ANA   L+0204  TSX   0(0-WU  CLA   500201  TSX   0(0-WU  CLA   5002MX  TSX   0(0-WU
24120   007400413472  100000024123  027051004670  050060200000 -012000024127  050000200000  002000023761  077400271214
        TSX   0(0J)*  TXI   8002JC        2YROOY  CLA * 50 +00  TMI   J+02JG  CLA   500+00  TRA   0+02*/  AXT   7(0G*'
24130   077400177766  077400455146  002000400001  000000000000  012715000000 -340130013460 -346003043060  254563255160
        AXT   7(0**b  AXT   7(ONRU  TRA   0+0-01  HTR   000000        1G*000  TXL    (1HI)  TXL    ( 34H  TIX    ENTER
24140  -052566604462 -203145634660 -022570626026 -065160432565  254360733103 -336161613460 -346060070060 -032565254360
              NEW MS  TNX     INTC        KEYS F        OR LEV  TIX   EL ,13  TXL   ,///)   TXL   (  7H         LEVE_
24150  -333103730205  306045464523 -064565255127  254560336045  256660446260  136073260104  331034606060 -346003063060
        TXL   ,13,25  TXH   H NONC        ONVEPG  TIX   ENT. N  TIX    EW MS  TXI   = ,F14  TXH      .8)  TXL    ( 36H
24160   254563255160 -052566602231  216260314563 -066042257062 -202646516043  256525436073  310334606060 -346060073060
        TIX    ENTER        NEW BI  TIX   AS INT        O KEYS  TNX    FOR L  TIX   EVEL ,  TXH      (3)  TXL    (  7H
24170  -032565254360 -333103730303  306046646347 -246360466463 -204626605121 -052725736045  256660223121 -226013607360
               LEVEL  TXL   ,13,33  TXH   H OUTP  TNX   UT OUT  TNX    OF RA        NGE, N  TIX   EW BIA  TNX    S = ,
24200   260104331061  056773010230 -145460602346 -056351464313 -334601026034 -340303306047  232545636031 -056021416462
        TIX   F14.8/        5X,12H  **      CO        NTROL=  TXL   ,012 )  TXL   (33H P  TIX   CENT I        N AJUS
24210  -236027512521 -232551606330  214560464525  333460606060 -346060113060 -226444604546  336073310373  043060316260
        TNX   T GREA  TNX   TER TH  TIX   AN ONE  TXH      .)   TXL   (  9H  TNX   SUM NO  TXH   . ,13,          4H IS
24220  -332601000 05  346060606060  000000100000 -341067733104 -330103306022  312162602330  214577256260 -216134606060
        TXL   ,F10.5  TXH   )       HTR   000800  TXL   (8X,14  TXL   ,13H B  TXH   1AS CH  TIX    ANGES  TNX      //)
24230  -340430005454 -147331047304 -277306303145 -076463607321  067303677302  043060314524  254563312631  232163214645
        TXL   (4HO**        *,14,4  TNX   X,6HIN  BSF   PUT ,A        6,3X,2        4H IND  TIX   ENTIFI  TIX   CATION
24240  -207346515125  236333603460 -340430005454 -147331047304 -277306303145 -076463607321  067303677302  073060312425
        TNX    CORRE  TIX    CT. )  TXL   (4HO**        *,14,4  TNX   X,6HIN  BSF   PUT ,A        6,3X,2        7H IDE
24250  -056331263123  216331464560 -203145234651 -112523633360  346060606060 -340767730574  010630602346 -044733606060
              NTIFIC  TIX    ATION  TNX    INCOR         RECT.  TXH      )    TXL   (7X,5(        16H CO           MP.
24260  -204664654764 -237306673434  000000000256 -340306300045 -066064456221 -236451216325  236027406663 -223360242760
        TNX    OUTPL  TNX   T,6X))  HTR   00002*  TXL   (36HON        O UNSA  TNX   TURATE  TIX   D G-WT  TNX    S. OG
24270  -234646604321 -112725336034 -340405306051  256263215163 -206651316363  254573604331  266360626702 -202145246047
        TNX   TOO LA        RGE. )  TXL   (45H R  TIX   ESTART  TNX    WRITT  TIX   EN, LI  TIX   FT SS2  TNX    AND P
24300  -112562626062 -232151636063 -067360606060  010030602346 -056331456425  336034606060 -341067730630 -204325652543
              RESS S  TNX   TART T        (       T/E   10H CO        NTINUE  TXH    . )    TXL   (8X,6H  TNX    LEVEL
24310  -333104730367 -330630604462 -201360, 2601  043310730367 -331030602231  216260136073  260104331061 -340567730574
        TXL   ,14,3X  TXL   ,5H MS  TNX    = ,F1        4.8,3X  TXL   ,8H BI  TIX   AS = ,  TIX   F14.8/  TXL   (5X,5(
24320   036773310373  013033733102 -330467732601  003307343460 -340101336023 -064447464525 -056360606073  310373013033
              3X,13,        1H.,12  TXL   ,4X,F1  TEF?  0.7))  TXL   (11H C        OMPONE           NT ,  TXH   13,1H.
24330  -333102730101  306060274066  253127306362 -206060606060  346060606060  000000000000  000000000000  000000000000
        TXL   ,12,11  TXH   H G-W   TIX   EIGHTS  TNX           TXH      )    HTR   000000  HTR   000000  HTR   000000
24340   000000000000  000000000000  000170000000  007640000000  031463146314  000000000000  000000000001  000000000002
        HTR   000000  HTR   000000        01Y000        0*-000        3'T'T'  HTR   000000  HTR   000001  HTR   000002
24350  -377777000000  030303030303  000000230303  000000237067  000000030657  000000030060  003777777770  017773077640
        TXL   ***000  DFSB  333333  HTR   000C33  HTR   000CYX  HTR   00030*  HTR   00030         0****Y        1*,7*-
24360   000000000031  000000000001  000002000000  000000077766  000000000002  000000000002  031463146314  000000000000
        HTR   000001  HTR   000001  HTR   002000  HTR   0007*K  HTR   000002  HTR   000002        3'T'T'  HTR   000000
24370   00040000000C  000000000000  000000000000 -001051460000  000000000000  000314631463  000000000000  000050753412
              040000  HTR   000000  HTR   000000        -8R000  HTR   000000        03'T'T  HTR   000000  HTR   000*)*
24400   177676355000  173777160000  000000000174  010201471500  000000000000  000000000000  000000000000  000000000000
        TXI   ****00  TXI   ****00  HTR   00001(        121P*0  HTR   000000  HTR   000000  HTR   000000  HTR   000000
                            WORDS  24410  TO  24447   ALL CONTAIN  000000000000
                                                              HTR   000000
24450   000000000000  000000000000  000000000000  000000000000  000000023361  000000000001  000002000001  000002000002
        HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   0002./  HTR   000001  HTR   002001  HTR   002002
24460   000000000000  000000000000  000000000000  000000000000  200777777776  000000000000  000000000000  000000000000
        HTR   000000  HTR   000000  HTR   000000  HTR   000000  TIX   +7****  HTR   000000  HTR   000000  HTR   000000
                            WORDS  24470  TO  24557   ALL CONTAIN  000000000000
                                                              HTR   000000
24560   000000000000  000000000000  000000000000  000000000000  000000000000  000000000002  001000000014  000000000001
        HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000002  HTR   00000'  HTR   000001
24570   200777777776 -200420515270  000000000002  000000000174  001000000000  000000052760  000000000010  000000000000
        TIX   +7****  TNX    4+X-Y  HTR   000002  HTR   00001(  HTR   000000  HTR   0005G   HTR   000008  HTR   000000
24600   000000000000  000000000000  000000000000 -206060606060  000000777777  000000000001  000000000005  000000000005
        HTR   000000  HTR   000000  HTR   000000  TNX           HTR   000***  HTR   000001  HTR   000005  HTR   000005
24610  -340574010067 -332601043310  343460606060 -340307306021 -111163304425 -233123236046 -252551264346 -266062322364
        TXL   (5(10X  TXL   ,F14.8  TXH     ))    TXL   (37H A        RITHME  TNX   TICC O  TNX   VERFLO  TNX   W OCCU
24620  -112524602163 -204346236073 -060534606060  007400404001  100000024626  027051003063  007400404003  100000024631
              RED AT  TNX    LOC ,          (U5)  TSX   0(0--1  TXI   8002OF        2YROHT  TSX   0(0--3  TXI   800201
24630   027051003064  000000000000  000000000001  000000000005  377777777777  010000000000  377400000000  377700000000
              2YROHU  HTR   000000  HTR   000001  HTR   000005  TXH   ******  TZE   100000  TXH   *(0000  TXH   **0000
24640   000000000011  000000000006  000000000002  200000000000  002000025256  000000000000  000000000000  000000000000
        HTR   000009  HTR   000006  HTR   000002  TIX   +00000  TRA   0+02-*  HTR   000000  HTR   000000  HTR   000000
24650   314547606060  000000000002 -204421676060 -000000000000  314547606060 -206264446060  000000000000  000000000001
        TXH   INP     HTR   000002  TNX   MAX           -000000 TXH   INP     TNX   SUM     HTR   000000  HTR   000001
24660   000000000000  000000000000  000000000001  000000000000  000000001000  000000000004  000000000002  000000000003
        HTR   000000  HTR   000000  HTR   000001  HTR   000000  HTR   0000H0  HTR   000004  HTR   000002  HTR   000003
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24670  000000000020  000000000010  000000000040  000000000400  000000000000  000000000000  -340303306051  252124232360
       HTR   00000*  HTR   000008  HTR   00000-  HTR   000040  HTR   900000  HTR   000000  TXL   (33H R   TIX   EADCC
24700  234645635146  -036023215124 -204546604751 256225456333 -210130013460 -344601027303 303145477331  017301677321
       TIX   CONTRC  L CARD        TNX   NO PR   TIX   ESENT.  TNX   /1H1)   TXL   (012,3  TXH   HINP,I  1,1X,A
24710  047302310373  016773023101  -331174016773 310334732606 330634606060 -342103733101 -331131037326 063306732104
       4,213,        1X,211        TXL   ,9(1X,  TXH   13),F6  TXH   .6)   TXL   (A3,11  TXL   ,913,F   6.6,A4
24720  -330331037302 310134606060  -340200300151 252124706023 -064563514643 -202321512460 -206060606060 -206060606034
       TXL   ,313,2  TXH   11)     TXL   (20H1R   TIX   EADY C   ONTROL   TNX   CARD    TNX           TNX   )
24730  -340426113305 346060606060  -340407300154 -145454543144 -075146472551 -203145476463 -204446242573 -202346515125
       TXL   (4F9.5  TXH   )       TXL   (47H1*   ****IM        PROPER  TNX   INPUT   TNX   MODE,   TNX   CORRE
24740  236360214524  -205125626321 -116333346060 060000024576 007400413672 100000024751 025254000002 000000014154
       TIX   CT AND  TNX   RESTA   KT.)           STZ   6002N*  TSX   010J*= TXI   8022PR          HTR   0001J*
24750  000000024722  007400413472  007400413742  100007024757  025254000003  000000014153  000000024715  007400406664
       HTR   0002PB  TSX   010J)=  TSX   010J*K  TXI   8022P*          2-*003  HTR   0001J$  HTR   0002P*  TSX   010-WU
24760  060100024650  007400406664  060100024651  007400406664  060100021571  007400406664  060100021574  007400406664
       STO   61020Q  TSX   010-WU  STO   61020R  TSX   010-WU  STO   6102*Z  TSX   010-WU  STO   6102*F  TSX   010-WU
24770  060100021575  007400406664  060100021576  007400406664  060100021577  007400406664  060100021600  007400406664
       STO   6102**  TSX   010-WU  STO   6102**  TSX   010-WU  STO   6102**  TSX   010-WU  STO   6102*0  TSX   010-WU
25000  060100021601  007400406664  060100021602  007400406664  060100021603  007400406664  060100021604  007400406664
       STO   6102*1  TSX   010-WU  STO   6102*2  TSX   010-WU  STO   6102*3  TSX   010-WU  STO   6102*4  TSX   010-WU
25010  060100024652  007400406664  060100024361  007400406664  060100024600  007400406664  060100021573  007400406664
       STO   6102D-  TSX   010-WU  STO   6102L/  TSX   010-WU  STO   6102D0  TSX   010-WU  STO   6102*,  TSX   010-WU
25020  060100021572  007400406664  060100024653  007400413520  050000024650  040200024654  010000025030  002000025242
       STO   6102**  TSX   010-WU  STO   61020$  TSX   010J**  CLA   5002Q   SUB   42020*  TZE   10020H  TRA   0*02-K
25030  050000024653  040200024663  010000025036  050000024576  040000024664  060100024576  007400403710  100002025043
       CLA   5002O$  SUB   42020T  TZE   10020*  CLA   5002N*  ADD   40020U  STO   6102N*  TSX   010-*8  TXI   8022OL
25040  025254000032  000000021604  000000024663  050000024651  040200024665  010000025047  012000025053  050000024651
       2-*00*        HTR   0002*4  HTR   00020T  CLA   5002OR  SUB   42020V  TZE   10020P  TPL   1*020$  CLA   5002OR
25050  040200024662  010000025054  012000025054  002000025230  050000024651  040200024666  010000025074  -012000025070
       SUB   42020S  TZE   10020*  TPL   1*020*  TKA   0*02-H  CLA   5002OR  SUB   42020W  TZE   10020(  TMI   J*02QY
25060  050000024651  040200024667  010000025064  012000025100  050000024576  040000024670  060100024576  002000025103
       CLA   5002OR  SUB   42020X  TZE   10020U  TPL   1*02RU  CLA   5002N*  ADD   40020Y  STO   6102N*  TRA   0*02R3
25070  050000024576  040000024665  060100024576  002000025103  050000024576  040000024671  060100024576  002000025103
       CLA   5002N*  ADD   40020V  STO   6102N*  TRA   0*02R3  CLA   5002N*  ADD   40020Z  STO   6102N*  TRA   0*02R3
25100  050000024576  040000024672  060100024576  050000024655  040200024652  -010000025111 050000024576  040000024673
       CLA   5002N*  ADD   40020*  STO   6102N*  CLA   5002O*  SUB   42020-  TNZ   J002R9  CLA   5002N*  ADD   40020,
25110  060100024576  060000024574  050000024600  040200024663  -010000025116 002000025157 056000024600  020000024665
       STO   6102N*  STZ   6002NE  CLA   500200  SUB   42020T  TNZ   J002R*  TRA   0*02R*  LDQ   5 0200  MPY   20020V
25120  -060000024656 007400413742  100002025126  025254000060  000000014153  000000024730  053500424656  177777425130
       STQ   00020*  TSX   010J*K  TXI   8022KF          2-*00  HTR   0001J$  HTR   0002PH  LAC   5*0KD*  TXI   ***KRH
25130  -063400425135 -077400100001 007400406664  060100124470  177777125135  300000125132  007400413520  053500424656
       SXD   010KR*  AXC   P10801  TSX   010-WU  STO   610*MY  TXI   ****R*  TXH   H00*R*  TSX   010J**  LAC   5*0KD*
25140  17777742 (41  -063400425154 -077400100001 075400124470 -040000025143 062100025151 007400403710 100002025153
       TXI   ***XRJ  SXD   010KR*  AXC   P10801  PXA   7*0*MY  SBM   M002RL  STA   6A02RR  TSX   010-*8  TXI   8022R$
25150  025254000074  000000000000  000000024663  177777125154  300000125143  050000024662  060100024574  007400413672
       2-*00(        HTR   000000  HTR   00020T  TXI   ***R*   TXH   H00*RL  CLA   5002OS  STO   6102N(  TSX   010J*=
25160  100002025164  025254000100  000000014154  000000024705  050000024576  007400406664  050000024651  007400406664
       TXI   8022RL  2-*010        HTR   0001J*  HTR   0002P5  CLA   5002N*  TSX   010-WU  CLA   50020R  TSX   010-WU
25170  050000024652  007400406664  050000024361  007400406664  050000024600  007400406664  050000021573  007400406664
       CLA   5002O-  TSX   010-WU  CLA   5002L/  TSX   010-WU  CLA   500200  TSX   010-WU  CLA   5002*,  TSX   010-WU
25200  050000021572  007400406664  050000021571  007400406664  050000021574  007400406664  050000021575  007400406664
       CLA   5002**  TSX   010-WU  CLA   5002*Z  TSX   010-WU  CLA   5002*(  TSX   010-WU  CLA   5002**  TSX   010-WU
25210  050000021576  007400406664  050000021577  007400406664  050000021600  007400406664  050000021601  007400406664
       CLA   5002*9  TSX   010-WU  CLA   5002**  TSX   010-WU  CLA   5002*0  TSX   010-WU  CLA   5002*1  TSX   010-WU
25220  050000021602  007400406664  050000021603  007400406664  050000021604  007400406664  007400413472  002000025257
       CLA   5002*2  TSX   010-WU  CLA   5002*3  TSX   010-WU  CLA   5002*4  TSX   010-WU  TSX   010J)=  TRA   0*02-*
25230  007400413672  100002025235  025254000101  000000014154  000000024732  007400413472  050000024660  007400405642
       TSX   010J*=  TXI   8022-*  2-*011        HTR   0001J*  HTR   0002P*  TSX   010J)=  CLA   50020  TSX   010-*K
25240  100000025242  025254000101  007400413672  100002025247  025254000102  000000014154  000000024676  007400413472
       TXI   8002-K  2-*011        TSX   010J*=  TXI   8022-P  2-*012        HTR   0001J*  HTR   00020*  TSX   010J)=
25250  050000024660  007400405642  100000025254  025254000102  000000056722  -112521242360 100000025264  077400177472
       CLA   50020   TSX   010-*K  TXI   8002-*  2-*012        HTR   0005XB  READC   TXI   8002-U  AXT   710*(=
25260  077400456722  044100025263  002000400001  000000100000  060400025263  063400402652  063400425254  063400425260
       AXT   710NXB  LDI   4J02-T  TRA   0*0-01  HTR   000800  STI   6402-T  SXA   610-F-  SXA   610K-*  SXA   610K-
25270  063400125257  050000400003  062100024743  062100025033  062100025035  062100025064  062100025066  062100025070
       SXA   610*-*  CLA   500-03  STA   6A02PL  STA   6A02Q.  STA   6A02Q*  STA   6A02QW  STA   6A02QY  STA   6A02QY
25300  062100025072  062100025074  062100025076  062100025100  062100025102  062100025106  062100025110  062100025164
       STA   6A02Q=  STA   6A02QI  STA   6A02Q*  STA   6A02R0  STA   6A02R2  STA   6A02R6  STA   6A02R8  STA   6A02RU
25310  050000400004  062100024764  062100025202  050000400005  062100024766  062100025204  050000400006  062100024770
       CLA   500-04  STA   6A02PU  STA   6A02-2  CLA   500-05  STA   6A02PW  STA   6A02-4  CLA   500-06  STA   6A02PY
25320  062100025206  050000400007  062100024772  062100025210  050000400010  062100024774  062100025212  050000400011
       STA   6A02-*  CLA   500-07  STA   6A02P=  STA   6A02-8  CLA   500-08  STA   6A02P(  STA   6A02-*  CLA   500-09
25330  062100024776  062100025214  050000400012  062100025000  062100025216  050000400013  062100025002  062100025220
       STA   6A02P*  STA   6A02-*  CLA   500-0*  STA   6A02Q0  STA   6A02-*  CLA   500-0=  STA   6A02Q2  STA   6A02-+
25340  050000400014  062100025004  062100025222  050000400015  062100025006  062100025041  062100025224  050000400016
       CLA   500-0*  STA   6A02Q4  STA   6A02-B  CLA   500-0*  STA   6A02Q6  STA   6A02QJ  STA   6A02-D  CLA   500 0*
25350  073400100000  17777712535/  063400125133  063400125143  050000400017  062100025111  062100025156  050000400020
       PAX   7,0800  TXI   ***$$-  SXA   610*M.  SXA   610*RL  CLA   500-0*  STA   6A02R9  STA   6A02R*  CLA   500-0+
25360  062100025012  062100025172  050000400021  062100025016  062100025176  050000400022  062100025020  062100025200
       STA   6A02Q*  STA   6A02R=  CLA   500-0A  STA   6A02Q*  STA   6A02R*  CLA   500-0B  STA   6A02Q+  STA   6A02-0
25370  050000400023  062100025014  062100025112  062100025116  062100025174  002000024743  002000025545  000000000002
       CLA   500-0C  STA   6A02Q'  STA   6A02R#  STA   6A02R*  STA   6A02R(  TRA   0*02PL  TRA   0*02*N  HTR   000002
25400  000000000044  000000000014  000000000001  000000000000  000000000000  000000000001  000000000000  000000000000
       HTR   00000M  HTR   00000'  HTR   000001  HTR   000000  HTR   000000  HTR   000001  HTR   000000  HTR   000000
25410  -340401306063 714725602446  256260454663 -202127512525 -206631633060 236645635146 -036065214364 256233616160
       TXL   (41H T  TIX   ES NOT  TNX   AGREE  TNX   WITH   TIX   CONTRO  TIX   CONTRO  L VALU  TIX   ES.//
25420  -206060606060 -206060606060 076773063031 -112446471373 310473036773 073051,52124 -064713733104 -210667730730
       TNX           TNX           ALS   7X,6HI  RDDP*,  TXH   14,3X,  7HREAD  DP*,14  TNX   76X,7H
25430  -054564443145 137331047303 -277306304564 -043145137331 046160606060 066773073045 -052144256213 -333104730367
       LCHD* NNUMIN  TXI   *,14,3  TNX   X,6HNU  MIN*,I  4/  6X,7HN  NAMES*  TXL   ,14,3X
25440  -330630452144 256213733104 346060606060 -340767730730 -112521244667 137331047361 076773063045 -246431457331
       TXL   ,6HNAM  TIX   ES=,14  TXH   )  TXL   (7X,7H  READDP  YXI   *,14,/  ALS   7X,6HN  TNX   UMIN,I
25450  046107677306  304521,,2562 137331043460 007400413770 100001025451 025543000001 000000003212 007400411722
       4/7X,6        TXH   HNAMES  TXI   *,14)  TSX   010J*Y  TXI   8012**  2*L001  HTR   0000+*  TSX   010J*B
25460  060100025477  007400411722  060100025400 007400411722 060100025401 007400411766 050000025377 040200021557
       STO   6102$*  TSX   010J*B  STO   6102*0  TSX   010J*B  STO   6102*1  TSX   010J*W  CLA   5002$*  SUB   4202**
25470  -010000025477 050000025400 040200021560 -010000025477 050000025401 040200021561 010000025500 002000021515
       TNZ   J002**  CLA   5002*0  SUB   4202*  TNZ   J002**  CLA   5002*1  SUB   1002*0  TZE   1002**  TRA   0*02**
25500  007400413672  000025505    025543000007 000000014154 000000025443 050000021557 007400406664 050000021560
       TSX   010J*=  TXI   8022*5  2*L007  HTR   0001J*  HTR   0002*L  CLA   5002**  TSX   010-WU  CLA   5002*
25510  007400406664  050000021561 007400406664 007400413472 002000025546 007400413672 100000025522 025543000010
       TSX   010-WU  CLA   5002*/  TSX   010-WU  TSX   010J)=  TRA   0*02*0  TSX   010J*=  TXI   8022*B  2*L008
```

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25520  000000014154  000000025410  050000025377  007400406664  050000021557  007400406664  050000025400  007400406664
       HTR   0001J*  HTR   0002*R  CLA   5002$*  TSX   010-WU  CLA   5002**  TSX   010-WJ  CLA   5002*0  TSX   010-WU
25530  050000021560  007400406664  050000025401  007400406664  050000021561  007400406664  007400413472  050000025403
       CLA   5002*   TSX   010-WU  CLA   5002*1  TSX   010-WU  CLA   5002*/  TSX   010-WU  TSX   010J)*  CLA   5002*3
25540  007400405642  100000025543  025543000010  000000056676 -234723470160  100000025552  077400456676  044100025551
       TSX   010-*K  TXI   8002*L        2*L00R  HTR   0005W*  TNX   TPCX1   TXI   8007*-  AXT   710WW*  LDI   4J02*R
25550  002000400001  000000100000  060400025551  063400402652  063400425543  063400425546  050000400003  062100025467
       TRA   0+0-01  HTR   000800  STI   6402*R  SXA   610-F-  SXA   610K*L  SXA   610K*0  CLA   500-03  STA   6A02*X
25560  062100025505  062100025524  050000400004  062100025472  062100025507  062100025530  050000400005  062100025475
       STA   6A02*5  STA   6A02*D  CLA   500-04  STA   6A02*=  STA   6A02*7  STA   6A02*H  CLA   500-05  STA   6A02**
25570  062100025511  062100025534  002000025453  002000025712  000000007331  000000007640  254524452563  000000000001
       STA   6A02*9  STA   6A02*)  TRA   0+02*$  TRA   0+02*?  HTR   0000,I  HTR   0000*-  TIX   ENDNET  HTR   000001
25600  000000000000  000000000000  000000000001  000000000310  000000003000  000000000000 -340405306054 -145460452563
       HTR   000000  HTR   000000  HTR   000001  HTR   00003B  HTR   0000H0  HTR   000000  TXL   (45H *        ** NET
25610 -264651426025 -272325252462 -206231712560 -062660452563 -264651426062 -234651212725  336060603460  050000025602
       TNX   WORK E  TNX   XCEEDS  TNX   SIZE          OF NET  TNX   WORK S  TNX   TURAGE  TXH   .   )   CLA   5002*2
25620  060100025574  050000025603  060100025575  007400415111  100002025630  025710000003  000000024566  000000025604
       STO   6102*(  CLA   5002*3  STO   6102**  TSX   010JR9  TXI   8022*H        2*8003  HTR   0002NW  HTR   0002*4
25630  007400413770  100001025634  025710000003  000000025604  053500425575  177777425636 -063400425643  053500125574
       TSX   010J*Y  TXI   8012*)        2*8003  HTR   0002*4  LAC   5*0Y**  TXI   ***K**  SXD   010K*L  LAC   5*0**(
25640  007400411722  060100130045  177777125643  370137125640  053500125574  007400411766  050000130046  040200025576
       TSX   010J*B  STO   610*00  TXI   *****L  TXH   *1***-  LAC   5*0**(  TSX   010J*W  CLA   500*00  SUB   4202**
25650 -010000025652  002000025676  050000025574  040000025603  060100025574  050000025575  040000025603  060100025575
       TNZ   J002*-  TRA   0+02**  CLA   5002*(  ADD   4002*3  STO   6102*(  CLA   5002**  ADD   4002*3  STO   6102**
25660  050000025575  040200024575  010000025665 -012000025665  002000025666  002000025623  007400414014  100001025672
       CLA   5002**  SUB   4202N*  TZE   1002*V  TMI   J002*V  TRA   0+02*W  TRA   0+02*C  TSX   010J-'  TXI   8012*=
25670  025710000024  000000025606  007400413472  050000025600  000000025675  002000025617  007400415111  100002025703
             2*800C  HTR   0002*6  TSX   010J)*  CLA   5002*0  HTR   0002**  TRA   0+02**  TSX   010JR9  TXI   8022*3
25700  025710000026  000000024566  000000025604  007400414563  100001025707  025710000026  000000025604  002000025713
             2*800F  HTR   0002NW  HTR   0002*4  TSX   010JNT  TXI   8012*7        2*800F  HTR   0002*4  TRA   0+02*=
25710  000000056661 -112445256301  100000025720  077400177472  077400456661  044100025717  002000400001  000000000010
       HTR   0005W/        RONETI  TXI   8002*+  AXT   710*(=  AXT   710WW/  LDI   4J02**  TRA   0+0-01  HTR   000008
25720  060400025717  063400402652  063400425710  063400425714  063400125713  050000400003  073400100000  177777125730
       STI   6402**  SXA   610-F-  SXA   610K*B  SXA   610K*'  SXA   610**=  CLA   500-03  PAX   710800  TXI   *****H
25730  063400125641  063400125646  050000400004  062100025626  062100025701  050000400005  062100025661  002000025617
       SXA   610**J  SXA   610**0  CLA   500-04  STA   6A02*F  STA   6A02*1  CLA   500-05  STA   6A02*/  TRA   0+02**
25740  002000026067  000000007331  000000007640  254524452563  000000000001  000000000000  000000000000  000000000001
       TRA   0+02 X  HTR   0000,I  HTR   0000*-  TIX   ENDNET  HTR   000001  HTR   000000  HTR   000000  HTR   000001
25750  000000000014  000000000310  000000003044  000000000000 -340207306054 -145445256366 -065142602545  246045466360
       HTR   00000*  HTR   000038  HTR   0000HM  HTR   000000  TXL   (27H *        * NETW        ORK EN  TIX   0 NOT
25760 -075125622545 -236060606034  050000025750  060100024566  007400415111  100002025771  026065000002  000000024566
             PRESEN  TNX   T   )   CLA   5002*Q  STO   6102NW  TSX   010JR9  TXI   8022*Z  FMP * 2 V002  HTR   0002NW
25770  000000025752  007400414563  100001025775  026065000002  000000025752  050000025747  060100025741  050000025751
       HTR   0002*-  TSX   010JNT  TXI   8012**  FMP * 2 V002  HTR   0002*-  CLA   5002*P  STO   6102*J  CLA   5002*R
26000  060100025742  007400415111  100002026006  026065000004  000000024566  000000025752  007400413716  100001026012
       STO   6102*K  TSX   010JR9  TXI   8022 6  FMP * 2 V004  HTR   0002NW  HTR   0002*-  TSX   010J**  TXI   8012 ?
26010  026065000004  000000025752  053500425772  177777426014 -063400426021  053500125741  050000130046  007400411722
       FMP * 2 V004  HTR   0002*-  LAC   5*0K*K  TXI   ***K '  SXD   010K A  LAC   5*0**J  CLA   500*00  TSX   010J*3
26020  177777126021  370137126016  053500125741  007400412032  050000130046  040200025743 -010000026030  002000026064
       TXI   **** A  TXH   *1** *  LAC   5*0**J  TSX   010J**  CLA   500*00  SUB   4202*L  TNZ   J002 H  TRA   0+02 U
26030  050000025741  040000025751  060100025741  050000025742  040000025751  060100025742  050000025742  040200024575
       CLA   5002*J  ADD   4002*R  STO   6102*J  CLA   5002*K  ADD   4002*R  STO   6102*K  CLA   5002*K  SUB   4202N*
26040  010000026043 -012000026043  002000026044  002000026001  007400414014  100001026050  026065000025  000000025754
       TZE   1002 L  TMI   J+02 L  TRA   0+02 M  TRA   0+02 1  TSX   010J-'  TXI   8012 Q  FMP * 2 V00E  HTR   0002**
26050  007400413472  050000025745  000000026053  007400415111  100002026060  026065000026  000000024566  000000025752
       TSX   010J)*  CLA   5002*N  HTR   0002 $  TSX   010JR9  TXI   8022    FMP * 2 V00F  HTR   0002NW  HTR   0002*-
26060  007400414463  100001026064  026065000026  000000025752  002000026070  000000054223 -265163452501  100000026075
       TSX   010JMT  TXI   8012 U  FMP * 2 V00F  HTR   0002*-  TRA   0+02 Y  HTR   0005KC  TNX   WRTNE1  TXI   8002 *
26070  077400100014  077400454223  044100026074  000000400001  000000000010  060400026074  063400402652  063400426065
       AXT   710H0'  AXT   710NAC  LDI   4J02 (  TRA   0+0-01  HTR   000008  STI   6402 (  SXA   610-F-  SXA   610K V
26100  063400426071  063400126070  050000400003  073400100000  177777126105  063400126016  063400126024  050000400004
       SXA   610K Z  SXA   610* Y  CLA   500-03  PAX   710800  TXI   ****/5  SXA   610* *  SXA   610* D  CLA   500-04
26110  062100025763  062100025767  062100026004  062100026056  050000400005  062100026037  002000025762  002000026441
       STA   6A02*T  STA   6A02*X  STA   6A02 4  STA   6A02 *  CLA   500-05  STA   6A02 *  TRA   0+02*S  TRA   0+02UJ
26120  000000000000  000000000000  000000000000  000000000000  000000000000  000000000002  000000006565  000002000002
       HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000002  HTR   0000VV  HTR   002002
26130  000000000002  000174000002  000000000174  000000000002  000000006550  000000000000  000000006550 -012545135347
       HTR   000002        G11002  HTR   00001(  HTR   000002  HTR   0000VQ  HTR   000000  HTR   0000VQ        JEN*$P
26140  000000000001  000000000000  000000000000  000000000001  000000000000  000001000000  000000000005  000000000015
       HTR   000001  HTR   000000  HTR   000000  HTR   000001  HTR   000000  HTR   001000  HTR   000005  HTR   00000*
26150  000000000004  000000000002  000000000067  000000000000  000000000000 -340130007307 -277301013060  234644474645
       HTR   000004  HTR   000002  HTR   00000X  HTR   000000  HTR   000000  TXL   (1HG,7  TNX   X,11H   TIX   COMPON
26160  254563606060 -333103730130  337331027301  013060602740 -262531273063 -226161346060 -340575010067 -332601043310
       SIX   ENT     TXL   ,13,1H  TXH   .,I2,1        1H G-  TNX   HEIGHT  TNX   S///    TXL   (5(10X  TXL   ,F14.8
26170  343160606060 -340130017303  063060452566 -202740662531  273063676026 -114644605125 -226443636046  266031454764
       TXH   ))      TXL   (1HL,3  STP * 6H NEW  TNX   G-WEI   TIX   GHTS F        ROH RE  TNX   SULT O  TIX   F INPU
26200 -236073310673 -216161346060  077400400007  075400400000  053500426572 -377773426432  052200426206  002000026213
       TNX   Y ,14,  TNX   ////    AXT   710-07  PXA   7*0-00  LAC   5*0K*=  TXL   **,KU+  XEC   500KS6  TRA   0+02S*
26210  002000026224  002000026217  002000026217  050000021573  040200026144 -010000026217  002000026431  050000021570
       TRA   0+02SF  TRA   0+02S*  TRA   0+02S*  CLA   5002*,  SUB   4202/M  TNZ   J002S*  TRA   0+02UI  CLA   5002*Y
26220  040000026143  060100021570  050000021570  040200021573  010000026226  002000026431  050000026143  060100026126
       ADD   4002/L  STO   6102*Y  CLA   5002*Y  SUB   4202*,  TZE   1002SF  TRA   0+02UI  CLA   5002/L  STO   6102/F
26230  007400413672  100002026235  026437000014  000000014154  000000026171  050000024262  007400406664  007400413472
       TSX   010J**  TXI   8022S*        2U*00*  HTR   0001J*  HTR   0002//  CLA   5002KS  TSX   010-WU  TSX   010J)*
26240  053500126126  050000130303  060100026127  056000026127 -075400000000  076300000000  022100026145 -060000026125
       LAC   5*0*/F  CLA   500*33  STO   6102/G  LDQ   5 02/G  PXD   P*0000  LLS   7T0000  DVP   2A02/N  STQ   0002/E
26250  056000026125  020000026145  013100000000  076000000002  040000026127  060100026130  007400413672  100002026263
       LDQ   5 02/E  MPY   2002/N  XCA   110000  CHS   7 0002  ADD   4002/G  STO   6102/H  TSX   010J**  TXI   8022S'
26260  026437000021  000000014154  000000026155  050000026130  007400406664  050000026125  007400406664  007400413472
             2U*00E  HTR   0001J*  HTR   0002/*  CLA   5002/H  TSX   010-WU  CLA   5002/E  TSX   010-WU  TSX   010J)*
26270  050000130315  060100026141  056000026131 -075400000000  076300000000  022100026145 -060000026132  056000026132
       CLA   500*3*  STO   6102/1  LDQ   5 02/1  PXD   P*0000  LLS   7T0000  DVP   2A02/N  STQ   0002/*  LDQ   5 02/*
26300  020000026145  013100000000  076000000002  040000026131  060100026132  050000026132  040000026133  040000026126
       MPY   2002/N  XCA   110000  CHS   7 0002  ADD   4002/1  STO   6102/.  CLA   5002/*  ADD   4002/.  ADD   4002/F
26310  040200026143  060100026134  060000026135  053500426134  177777426315 -053400426405  053500126126  060000026136
       SUB   4202/L  STO   6102/)  STZ   6002/*  LAC   5*0K/)  TXI   ***KT*  SXD   010KU5  LAC   5*0*/F  STZ   6002/*
26320  063600126136  050000026135  040000026143  060100026135  053400426145  126117426326  063400426341  063400426342
       SCA   6*0*/*  CLA   5002/*  ADD   4002/L  STO   6102/*  LXA   510K/*  TXI   */*XTF  SXA   610KTJ  SXA   610KTK
26330  063400426344  063400426350  063400426352  050000130316  060100026137  056000026137 -075400000000  076300000000
       SXA   610KTM  SXA   610KTQ  SXA   610KT-  CLA   500*3*  STO   6102/*  LDQ   5 02/*  PXD   P*0000  LLS   7T0000
26340  022100026145 -060000026120  056000026120  020000026145 -060000026120  007400403631  100003026353  026437000041
       DVP   2A02/N  STQ   0002/*  LDQ   5 02/*  MPY   2002/N  STQ   0002/*  TSX   010-*I  TXI   8032T$        2U*00J
26350  000000026120  000000026143  000000026120  050000026136  040200026134 -010000026360  050000026146  060100026135
       HTR   0002/*  HTR   0002/L  HTR   0002/*  CLA   5002/*  SUB   4202/)  TNZ   J002T   CLA   5002/0  STO   6102/*
```

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26360  050000026135  040200026146  010000026364  002000026404  007400413672  100002026371  026437000052  000000014154
       CLA   5002/*  SUB   4202/0  TZE   1002TU  TRA   0+02U4  TSX   010J**  TXI   8022TZ        2U*00-  HTR   0001J*
26370  000000026166  007400414775  100002026376  026437000053  000000026120  000000026146  007400413472 -077400200001
       HTR   0002/*  TSX   010JP*  TXI   8022T*        2U*00$  HTR   0002/+  HTR   0002/0  TSX   010CJ)*  AXC   P10+01
26400  060000226117  177777226402  377772226400  060000026135  177777126405  371227126320  050000026134  040000026147
       STZ   6008/*  TXI   ***BU2  TXH   ***8UC  STZ   6002/*  TXI   ****U5  TXH   **G*T+  CLA   5002/)  ADD   4002/P
26410  060100026126  053500126126  060000021570  050000130302  040200026144 -010000026417  002000026420  002000026240
       STO   6102/F  LAC   5*0*/F  STZ   6002*Y  CLA   500*32  SUB   4202/M  TNZ   J002U*  TRA   0+02U+  TRA   0+02S-
26420  050000021572  040200026143 -010000026424  060000021573  050000021572  040200026150 -010000026431  050000026151
       CLA   5002**  SUB   4202/L  TNZ   J002UD  STZ   6002*,  CLA   5002**  SUB   4202/Q  TNZ   J002UI  CLA   5002/R
26430  060100021572  002000026442  062100026435  007400405646  100001026437  026437000101  000000026152  000000054242
       STO   6102**  TRA   0+02UK  STA   6A02U*  TSX   010-*U  TXI   8012U*        2U*011  HTR   0002/-  HTR   0005KK
26440  274751630160  100000026450  077400200000  077400177766  077400454242  044100026447  002000400001  000000000010
       TIX   GPRT1   TXI   8002UQ  AXT   710+00  AXT   710**W  AXT   710MKK  LDI   4J02UP  TRA   0+0-01  HTR   000008
26450  060400026447  063400402652  063400426437  063400426444  063400126443  063400226442  050000400003  062100026204
       STI   6402UP  SXA   610-F-  SXA   610KU*  SXA   610KUM  SXA   610*UL  SXA   610HUK  CLA   500-03  STA   6A02S4
26460  062100026420  062100026424  062100026430  050000400004  062100026213  062100026223  062100026423  050000400005
       STA   6A02U+  STA   6A02UD  STA   6A02UH  CLA   500-04  STA   6A02S*  STA   6A02SC  STA   6A02UC  CLA   500-05
26470  062100026217  062100026221  062100026222  062100026412  050000400006  062100026241  073400100000  100012126500
       STA   6A02S+  STA   6A02SA  STA   6A02SB  STA   6A02U*  CLA   500-06  STA   6A02SJ  PAX   710800  TXI   80**V0
26500  063400126260  100001126502  063400126333  177764126504  063400126413  050000400007  062100026235  002000026202
       SXA   610*SY  TXI   801*V2  SXA   610*T.  TXI   **U*V4  SXA   610*U=  CLA   500-07  STA   6A02S*  TRA   0+02S2
                          WORDS 26510 TO 27037  ALL CONTAIN -100000000000
                                                      STR   000000
27040 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000  000046000001 -250660606060
       STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  HTR   000001  TNX   V6
27050  000000000002  177771344400  177771344400  177771344400  177771344400  177771344400  177771344400 -000000000000
       HTR   000002  TXI   **Z)M0  TXI   **Z)M0  TXI   **Z)M0  TXI   **Z)M0  TXI   **Z)M0                -00000
                          WORDS 27060 TO 27077  ALL CONTAIN -000000000000
                                                            -00000
27100 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000  177771344400
              -00000        -00000        -00000        -00000        -00000        -00000        -00000  TXI   **Z)M0
27110  177771344400  177771344400  177771344400  177771344400  177771344400 -100000000000 -100000000000 -100000000000
       TXI   **Z)M0  TXI   **Z)M0  TXI   **Z)M0  TXI   **Z)M0  TXI   **Z)M0  STR   000000  STR   000000  STR   000000
                          WORDS 27120 TO 27257  ALL CONTAIN -100000000000
                                                      STR   000000
27260  000000000002  000000000002  000000000001  000000000001  000000000001  000000000001  000000000001  000000000001
       HTR   000002  HTR   000002  HTR   000001  HTR   000001  HTR   000001  HTR   000001  HTR   000001  HTR   000001
                          WORDS 27270 TO 27447  ALL CONTAIN  000000000001
                                                      HTR   000001
27450  000000000001  000000000001  000000000001  000000000001  000000000001  000000000001 -100000000000 -100000000000
       HTR   000001  HTR   000001  HTR   000001  HTR   000001  HTR   000001  HTR   000001  STR   000000  STR   000000
                          WORDS 27460 TO 27777  ALL CONTAIN -100000000000
                                                      STR   000000
30000  100000030006  077400100000  077400400000  044100030005  002000400001  000000000000  060400030005  063400402652
       TXI   800306  AXT   710800  AXT   710-00  LDI   4J0305  TRA   0+0-01  HTR   000000  STI   640305  SXA   610-F-
30010  063400430016  063400430002  063400130001  002000030001  000000000000  000000000000  000000000000  246444447001
       SXA   610L0*  SXA   610L02  SXA   610*01  TRA   0+0301  HTR   000000  HTR   000000  HTR   000000  TIX   DUMMY1
                          WORDS 30020 TO 30037  ALL CONTAIN -100000000000
                                                      STR   000000
30040 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000  000256000014
       STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000        02*00'
30050  231463145400  014631462760  000631463146  200000000000  000000000000  001463146314  004000000000  346314631400
       TIX   C'T'*0         10100        061010  TIX   +00000  HTR   000000        0'T'T'  TLQ   0-0000  TXH   )T'T'0
30060 -346314631400  346314631400 -346314631400 -000611621767  024000000000  000011000012  000000000010  000050753412
       TXL   (T'T'0  TXH   )T'T'0  TXL   (T'T'0        -69S*X  FDH   2-0000  HTR   00900*  HTR   000008  HTR   000*)*
30070  010000000000  346314631400  346314631400  377574733000 -377574733000 -000210246534  004000000000  000012000010
       TZE   100000  TXH   )T'T'0  TXH   )T'T'0  TXH   **(,H0  TXL   **(,H0        -280V)  TLQ   0-0000  HTR   00*008
30100  000000000011  001000000000  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
       HTR   000009  HTR   100000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000
                          WORDS 30110 TO 30277  ALL CONTAIN  000000000000
                                                      HTR   000000
30300  000000000000  000000000000  000000000000 -000000030357  000001000001 -000316122351  000016415470  020000000000
       HTR   000000  HTR   000000  HTR   000000        -0033*  HTR   001001        -3**CR  HTR   00*J*Y  MPY   200000
30310  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  077347130433
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00+        7,P=4.
30320  102224130563  100224130767  077350131117  077350131247  077350131377  100105131453  077350131733  100074132007
       TXI   88D=5T  TXI   82D=7X        7,Q=9*        7,Q=*P        7,Q***  TXI   815*'$        7,Q=*.  STR   00(=+7
30330 -100074132063 -100074132343 -100074132417 -077114132473 -100074132547 -100074132677 -100074133027  076430127053
       STR   00(*+T  STR   00(=CL  STR   00(=D*        PZ'=D,  STR   00(=EP  STR   00(*F*  STR   00(*HG  BSR   7UH*Y$
30340  076430127054  076430127055  102322127057  076430127062  076430127064  023222127065  102322127066 -100753127067
       BSR   7UH*Y*  BSR   7UH*Y*  TXI   8CB*Y-  BSR   7UH*YS  BSR   7UH*YU  TXI   8CB*YV  TXI   8CB*YW        Q7$*YX
30350 -100753127070 -100753127071 -100753127072 -075062127073 -075062127101 -100753127104 -100753127105  000000030433
              Q7$*YY        Q7$*YZ        Q7$*Y-        PQS*Y,        PQS*Z1        Q7$*Z4      . Q7$*Z5  HTR   00034.
30360  000001000002 -000006261132  000022377253  020000000000  020000000000  020000000000  020000000000  006047050400
       HTR   001002        -06F9*  HTR   00B*=$  MPY   200000  MPY   200000  MPY   200000  MPY   200000  TCCA  0 P540
30370  005450057400  000000000000  000020000020  200000133157  053126133363  107554133567  200000134047  004301134123
       RFT   0*0510  HTR   000000  HTR   00+00+  TIX   +00*I*        5IF*.T  TXI   8** *X  TIX   +00*-P  CAI   0L1*JC
30400  000000134177  010573134327  200000134457 -135230134663 -027722135013 -140126135 57 -135142135217 -043726135477
       HTR   000*J*        15,*LG  TIX   +00*M*        $-H*0T        K*B*Q*        *1F*QX        $RK*-*        M*F***
30410 -125334135627 -123550135757 -000301136033  103652127106  134337127107  134337127110  134337127111  121643127113
              -$***G        -*0***        -31* .  TXI   8*-*Z6  TXI   *L**Z7  TXI   *L**Z8  TXI   *L**Z9  TXI   **L*Z*
30420  121643127114  001470127051  001470127052 -063075127055 -077717127057 -100246127060 -100365127061 -100365127062
       TXI   **L*Z'        C'Y*YR        0'Y*Y-        DH**Y*        P**Y*         Q20*Y         U3V*Y/        U3V*YS
30430 -112710127064 -100246127066 -100365127070  000000030507  000001000003 -001213124667 -000014250355  020000000000
              RG8*YU        Q20*YW        U3V*YY  HTR   000357  HTR   001003        -***3X        -0'E3*  MPY   200000
30440  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  103335136107
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00+  TXI   8.**/7
30450  103210136237  055750136313  076316130303  025541130357  103015130713  176701131117  065263131173 -000021131453
       TXI   8*8=S*        5*U=T=  LLS   77**33        2*J=3*  TXI   8H**7*  TXI   *X1*9*        6-T=9,        -0A='$
30460 -120323131527 -002465131657 -103733131733 -1 0343132007 -176071132267 -105003132343 -115351132417  007477127071
              -3C**G  TRCD* -DW***        0*.**.        $3L**7       * Z=8X        QQ3*CL        R$R=D*  TSX   0(**YZ
30470  140456127073  140456127076  122756127077  126670127100 -174074127103  046534127105  052434127106 -073662127110
       TXI   '4**Y,  TXI   '4**Y*  TXI   *GW*Y*  TXI   *W(*70        7-(*Z3        4V'*Z5        50)*76        P*S*ZA
30500 -114351127114 -073662127053 -075203127054 -071020127057 -073662127061 -075203127062 -114351127063  000000030563
              RLR*Z'        P*S*Y$        P-3*Y*        P8**Y*        P*S*Y/        P-3*YS        RLR*YT  HTR   00035T
30510  000001000004 -001144016542  000014174350  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001004        -9MIVK  HTR   00'*L0  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
30520  000000000000  000000000000  000020000020  117534132473  070564132677  072073132753  100365133027  074536133157
       HTR   000000  HTR   000000  HTR   00+00+  TXI   9*)*U,        75U=F*        7*,=G$  TXI   83V*HG        7N**'*
```

```
30530  076452133233  100221133363  101343133437 -120170133513 -060707133567 -120412133643 -117670133717 -125556133773
       BSR  7U-**.   TXI  82A*.T   TXI  P*L*:*        -1Y**:        -00=*X        -4$**L        R*Y***        -****,
30540 -031741134177 -120416134253 -117147134327  100321127065  100524127066  100607127070  077250127071  076626127072
            L*J*J*        -4**K$        RZP*LG   TXI  83A$YV   TXI  85D$YW   TXI  867$YY   REW  7*Q$YZ   WRS  7WF$Y*
30550  077716127073  100121127074  077765127075 -000000127100 -110731127101 -110670127103 -111577127105 -112145127106
            7***Y,   TXI  81A$Y(        7*V$Y*        -00$Z0        R7.$Z1        R6Y$Z3        R**$Z5        RAN$Z6
30560 -110553127110 -110502127112 -110733127051  000000030637  000001000005 -000775562735 -000037102521  020000000000
            R55$Z8        R52*Z$        R7.$YR   HTR  00036*   HTR  001005        -7**G*        -0*8FA   MPY  200000
30570  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  065755134403
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00*00*        6***M3
30600  065574134533  067431134607  071046134663  145101134737  065574135013  120101135143  070631135273 -077640135347
            6*(*N,        6((=07        78U*0T   TXI  *Q1*P*        6*(=Q=   TXI  *11*RL        76I*-,        P*--$P
30610 -103130135423 -110464135477 -064076135553 -113772135703 -114007136033 -102170136107 -046033136163  146314127052
            Q1H**C        R4U***   SCHR* U-**$        R***3        R-7= .        QAY=/7        M .*/T   TXI  *T*$Y-
30620  146314127066  000000127067  000000127070  146314127073  146314127074  146314127101  000000127103 -105253127106
       TXI  *T*$YW   HTR  000$YX   HTR  000$YY   TXI  *T*$Y,   TXI  *T*$Y(   TXI  *T*$Z1   HTR  000$Z3        Q-$$Z6
30630 -111561127111 -000000127052 -113227127055 -105253127056 -111561127061 -113227127062 -113227127063  000000030713
            R*/$Z9        -00$Y-        R*G$Y*        Q-$$Y*        R*/$Y/        R*G$YS        R*G$YT   HTR  000?7*
30640  000001000005 -001342703423 -000034703110  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR  001006        -*KY)C        -01Y18   MPY  200000   MPY  200000   MPY  200000   MPY  200000   HTR  000000
30650  000000000000  222207403000  000020000020  077367136237  034743136313  000000130357  175064130433  200000130507
       HTR  000000   TIX  887-H0   HTR  00*00*        7.X=S*        3PL=T-   HTR  000=3*   TXI  *QU=4.   TIX  *00=57
30660  052361130713  200000130767  000000131043 -075667131247 -116553131377 -073421131453 -006073131657 -106261132063
            5C/*7=   TIX  *00=7X   HTR  000=6L   PCD  P*X=*P        R/$=**   PDX  P)A**$   TCNA* - ,=**        0S/=*T
30670 -101772132212 -143424132267 -105721132623  123732127064  153607127065  000000127066  152214127072  153607127073
            Q***8=        *)L=8X        Q*A=FC   TXI  ****YU   TXI  **7$YV   HTR  000$YW   TXI  *8*$Y=   TXI  **7$Y,
30700  000000127074  000000127075  152214127100 -000000127101 -123336127103 -123336127104 -123245127110 -123336127111
       HTR  000$Y(   HTR  000$Y*   TXI  *8*$Z0        -00$Z1        -.**Z3        -.**Z4        -*%$Z8        -.**Z9
30710 -123336127112 -136742127113 -000000127114  000000030767  000001000007 -000211622751  000020171677  020000000000
            -.**Z*        $XK$Z=        -00*Z*   HTR  00037X   HTR  001007        -29SGR   HTR  00****   MPY  200000
30720  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  200000132677
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00*00*   TIX  *00=F*
30730  200000132753  200000133027  023723133103  024064133233  065176133437  021211133513  02136 133643 -125126133717
       TIX  *00=G$   TIX  *00=HG        2*C=13   FDH * 2-U**.        6R*=)*        2*9=*=        2= =*L        -RF=**
30740 -000000133773 -125315134123 -125240134177 -125370134253 -125405134327 -000000134403 -125076134457  125050127051
            -00=*,        -$*=JC        ---=J*        -$Y=K$        -* =LG        -00=M3        -Q**M*   TXI  *QQ$YR
30750  125053127052  125670127054  125053127060  125670127062  125022127064  000000127065  000000127067 -076671127070
       TXI  *Q$$Y-   TXI  **Y$Y*   TXI  *Q$$Y    TXI  **Y$YS   TXI  *Q6$YU   HTR  000$YV   HTR  000$YX        PWZ$YY
30760 -100321127071 -100066127072 -100026127073 -100021127074 -100321127077 -100066127100 -100021127102  000000031043
            Q3A$Y7   STR  Q0W$Y=   STR  Q0F$Y,   STR  Q0A$Y(        Q3A$Y*   STR  Q0W$Z0   STR  Q0A$Z2   HTR  00038L
30770  000001000010 -000231055130  000024210576  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR  001008        -215RH   HTR  000A5*   MPY  200000   MPY  200000   MPY  200000   MPY  200000   HTR  000000
31000  000000000000  246642350400  000020000020  022631134607  004747134663  170727135013  027453135067  040133135273
       HTR  000000   TIX  DW<*40   HTR  00*00*        2FI=07        0PP=0T   TXI  *7G=Q=        2($=CX   ADM  41.=-,
31010  200000135553  200000135757  067441136237 -121152130303 -014631130357 -125562130433 -123255130507 -123717130713
       TIX  *00=*$   TIX  *00=**        6(J=S*        -9-=33        JCI=3*        -*S=4.        -**=57        -***7=
31020 -000000130767 -126472131173 -116322131247  000000127104  000000127105  200000127106  200000127107  000000127112
            -00=7X        -U==9,        RTB=*P   HTR  000$Z4   HTR  000$Z5   TIX  *00$Z6   TIX  *00$Z7   HTR  000$Z*
31030  200000127114  200000127051  000000127052 -113304127054 -103714127055 -113343127061 -113304127062 -103714127063
       TIX  *00$Z*   TIX  *00$YR   HTR  000$Y-        R.4$Y*        Q**$Y*        R.L$Y/        R.4$YS        Q**$YT
31040 -000000127064 -112427127066 -113343127067  000000031117  000001000011 -000640566414  000013472323  020000000000
            -00$YU        RDG$YW        R.L$YX   HTR  00039*   HTR  001009        -6-*U*   HTR  00=PCC   MPY  200000
31050  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  075611131377
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00*00*   PCA  7*9=**
31060  200000131527  200000131603  050466131733  066556132063  044343132213  001273132267  075063132417 -111615132623
       TIX  *00=*G   TIX  *00=*3        54W=*.        6V**=*T        4LL=8=        0$,=8X        7CT=(*        9**=FC
31070 -001143132753 -106136133437 -076136133513 -116310133643 -114745133717 -115526133773 -107520134123  174136127070
            -9L=G$        Q/**)*        P/**=*        ARI8=*L        RPN=**        R*F=*,        Q**=JC   TXI  *J*$YY
31100  013346127072  000000127073  174136127076  000000127101  200000127105  000000127107  174136127110 -003604127112
            1.0$Y=   HTR  000$Y,   TXI  *J*$Y*   HTR  000$Z1   TIX  *00$Z5   HTR  000$Z7   TXI  *J*$Z8        -*4$Z*
31110 -066352127114 -130726127052 -000000127055 -142070127057 -130726127060 -130726127061 -130726127066  000000031173
            0I-*Z*        $7F$Y-        -00$Y*        **Y$Y*        $7F$Y         $7F$Y/        $7F$YW   HTR  00039,
31120  000001000012 -001353065222  000000021400  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR  00100*        -=$65B   HTR  0002*0   MPY  200000   MPY  200000   MPY  200000   MPY  200000   HTR  000000
31130  000000000000  000000000000  000020000020  177530134177  002220134403  176255134533  000120135013  176255135143
       HTR  000000   HTR  000000   HTR  00*00*   TXI  **H=J*   TRCA 0B*=M3   TXI  *S*=N.        01*=Q=   TXI  *S**RL
31140  176255135347  002347135423  000326135757 -124224136107 -123366136163 -124144136313 -126322136303 -000735130507
       TXI  *S*=$P        0CP=*C        03F=**        -*D=/7        -.W=/T        -JM=T=        -T8=33        -7*=57
31150 -116454130563 -007225130637 -126640131173  066037127067  147211127070  130103127071  012417127073  012417127074
            RU**5T        -=E=6*        -W-=9,        6 **YX   TXI  **9$YY   TXI  *13$YZ        1D**Y,        1D**Y(
31160  066037127075  147211127076  130103127077 -124562127101 -111726127106 -124562127107 -124552127110 -003404127112
            6 **Y*   TXI  **9$Y*   TXI  *13$Y*        -NS$Z1        R*F$Z6        -NS$Z7        -N-$Z8        -)4$Z*
31170 -012772127113 -124562127051 -124552127052  000000031247  000001000013 -000366070450  000003415123  020000000000
            JG=*Z=        -NS$YR        -N-$Y-   HTR  0003*P   HTR  00100=        -3W74G   HTR  000JRC   MPY  200000
31200  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  057723131247
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00*00*        5*C=*P
31210  056346131323  056346131657  040157132267  054776132343  045762132417  200000132677  200000133027 -110346133103
            5T0=*C        5TU=**   ADM  41*=8X   LCHG* 5P*=CL        4*S=L*   TIX  *00=F*   TIX  *00=HG        R3U=13
31220 -113261133157 -110705133243 -111170133307 -110453133513 -107614133567 -000000133773 -111563134047  111660127053
            R*/=I*        R75=*.        R9Y=.7        R4$=*=        Q**=*X        -00=*,        R*T*-P   TXI  9* $Y$
31230  111660127054  111216127057  111660127060  111660127061  107751127063  107306127064  000000127065 -076722127066
       TXI  9* $Y*   TXI  9**$Y*   TXI  9* $Y    TXI  9* $Y/   TXI  8*R$YT   TXI  8.6$YU   HTR  000$YV        PXB$YW
31240 -101232127071 -102044127072 -077534127073 -076722127075 -076722127076 -101232127077 -076722127103  000000031323
            Q**$YZ        Q*M$Y=        P*)$Y,        PXB$Y*        PXB$Y*        Q**$Y*        PXB$Z3   HTR  0003=C
31250  000001000014  001161122346  000033324254  020000000000  020000000000  020000000000  020000000000  110623311000
       HTR  00100*        0I**C0   HTR  00.*K*   MPY  200000   MPY  200000   MPY  200000   MPY  200000   TXI  96(180
31260  107662157000  000000000000  000020000020  050453134177  055640134327  047742134663  200000134737  200000135013
       TXI  B*S*Y0   HTR  000000   HTR  00*00*        54$=J*        5*-=LG        4*K=0T   TIX  *00=P*   TIX  *00=Q-
31270  054746135143  054654135347  047677135423 -050000135477 -070000135703 -141506136033 -142743136163 -142421136313
       LCHG 5P0=RL   LCHF 5U*=$P        4***C        -00=**        -00=*3        **6= .        *GL=/T        *DA*T=
31300 -037136130357 -140117130507 -131426130563  000000127104  000000127105  127233127107  121550127113  125464127114
            LZ*-3*        *1**57        $*F=5T   HTR  000$Z4   HTR  000$Z5   TXI  $*.$Z7   TXI  $*G$Z=   TXI  $*U.Z*
31310  127233127051  124371127052  125464127056 - 73612127057 -101433127061 -105455127063 -077765127064 -073612127065
       TXI  $*.$YR   TXI  $LZ$Y-   TXI  $ U$Y*        P*$$Y*        U*.$Y/        Q**$YT        P*V$YU        P**$YV
31320 -077765127072 -105455127077 -073612127101  000000031377  000001000015 -000275512232  000033245103  020000000000
            P*/$Y=        Q**$Y*        P**$Z1   HTR  0003=*   HTR  00100*        -2*RB*   HTR  00.DR3   MPY  200000
31330  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  061564130637
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00*00*        6*J=6*
31340  067641130767  072327131043  112110131117  107705131173  110653131247  071455131377  107455131453 -105356131603
            6*J-7X        7CG=8L   TXI  9A8=9*   TXI  8*5=),   TXI  )6$=*P        7***=*   TXI  H(**$        Q$**3
31350 -075273131657 -070734131733 -104311132007 -072041132063 -073051132213 -114367132267 -076156132473  031547127106
            P-,=**        P/)=*,        LL)=*7        P*J-*T        PHR-6=        RLX*8X        P/*-0,        3*P$Z6
```

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31360  164735127110  075415127113  031547127114  115765127057  164735127061  075415127063  031547127064 -044242127070
       TXI   *P**Z8  PXA   7**+Z=        3*P*Z*  TXI   9*V*Y*  TXI   *P**Y/  PXA   7***YT        3*P*YU        MKK*YY
31370 -130600127071 -173167127072 -110201127073 -044242127076 -130600127077 -041140127102 -041140127103  000000031453
             $60*YZ        *IX*Y=        RZI*Y,        MKK*Y*        $60*Y*        M9-*Z2        M9-*Z3  HTR   0003*$
31400  000001000010  000146617042  000026007451  020000000000  020000000000  020000000000  020000000000  076313245400
       HTR   00100*        O1U/YK  HTR   POFOIR  MPY   200000  MPY   200000  MPY   200000  MPY   200000  LLS   7T=D*0
31410  074750120000  000000000000  000020000020  071675132547  047300132623  176434132753  061515133027  061045133103
             7PQ*00  HTR   000000  HTR   00+00+        7***EP        4,0=FC  TXI   *UI=G$        6***HG        68N=I3
31420  134121133363  057766133437  061253133567 -103052133643 -102577134177 -103615134403 -061154134737 -105564135067
       TXI   -JA*,T        5***I*        6*$**X        QH-**L        QF**J*        Q***M3        39**P*        Q*U=QX
31430 -0744 ?35143? -075737135217 -104735135273  000000127105  000000127106  124113127107  134034127111  110374127114
             ?M-*PL        P***-*        QP**-,  HTR   000*75  HTR   000*Z6  TXI   *J**Z7  TXI   *-I*Z9  TXI   93I*Z*
31440  120777127051  140502127054  125531127055 -000000127056 -116744127057 -105671127060 -105671127061 -112517127063
       TXI   *7**YR  TXI   *52*Y*  TXI   **I*Y*        -00*Y*        RXM*Y*        Q*Z*Y         Q*Z*Y/        RE**YT
31450 -116744127065 -105671127066 -105671127067  000000031527  000001000017 -001611566253 -000001424150  020000000000
             RXM*YV        Q*Z*YW        Q*Z*YX  HTR   0003*G  HTR   00100*        -*9*S$        -01KJQ  MPY   200000
31460  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  043537135553
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*        4****$
31470  037346135703  125455135757  200000136163  045513136237  036471130357  200000130433  043007130507 -060060130563
             3,0**3  TXI   ******  TIX   *00=/T        4***S*        3UZ-3*  TIX   *00*4.        447=57  STQ * 00 =5T
31500 -103473130713 -104267131117 -104646131173 -102021131247 -100374131603 -101565131657 -076662132137  002327127071
             Q),=7=        QKX=9*        Q0U=9,        Q+A=*P        Q3***3        Q*V***        PWS=A*        0CG*YZ
31510  126367127077  132340127100  122410127101  122410127102  121111127104  126367127105  000000127110 -104144127111
       TXI   *TX*Y*  TXI   =C-*Z0  TXI   *D8*Z1  TXI   *D8*Z2  TXI   *99*Z4  TXI   *TX*Z5  HTR   000*Z8        QJM*Z9
31520 -104011127112 -077152127113 -071605127114 -101652127052 -104011127054 -077152127055 -071605127056  000000031603
             Q-9*Z*        PZ-*Z=        P*5*Z*        Q*-*Y-        Q-9*Y*        PZ-*Y*        P*5*Y*  HTR   0003*3
31530  000001000020 -001312565614 -000036365355  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   00100*        -*****        -0**$*  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
31540  000000000000  000000000000  000020000020  177233132267  063330132417  066335132473  131677132547  027225132677
       HTR   000000  HTR   000000  HTR   00+00+  TXI   **.=8X        6.H*D*        6T**D,  TXI   =***EP        2=E*F*
31550  045627133027  103320 33233  0743 0133307 -112046133437 -110146133567 -000060133643 -104200134047 -113301134403
             4*G=HG  TXI   H.***.        7L-*.7        R*U=I*        RIO**X        -0-**L        QK0*-P        R.I=M3
31560 -104514134663 -115466135013 -113574135067  104505127060  103552127061  127235127063  113375127064  104505127066
             QN*=0T        F**=Q=        R*I=QX  TXI   8N5*Y   TXI   8*-*Y/  TXI   ****YT  TXI   9.**YU  TXI   8N5*YW
31570  103552127067  114405127070  000000127073 -102123127075 -072532127100 -102123127103 -101020127110 -102123127111
       TXI   8*-*YX  TXI   9M5*YY  HTR   000*Y,        QAC*Y*        PE**Z0        QAC*Z3        Q8**Z8        QAC*Z9
31600 -072532127114 -100744127051 -102123127053  000000031657  000001000021 -001212111722 -000015?60453  020000000000
             PE**Z*        Q7M*YR        QAC*Y$  HTR   0003**  HTR   00100A        -**9*8        -?*F4$  MPY   200000
31610  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  1073?3135217
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   8,L*-*
31620  073630135273  101240135423  075055135477  075055135627  104213136033  075773136367  077002130303 -100651130357
             7*H*-,  TXI   8A-=*C        7Q****        7Q***G  TXI   8K** .        7*,=TX  WEF   7Y2=33        Q6R=3*
31630 -075746130507 -100376130563 -104127131247 -113207131323 -062603131377 -075276131453 -101121131733  011050127056
             P*D=57        Q3**5T        QJG=*P        R*7**C        QF3***        P-****        Q9A**.        1BQ*Y*
31640  000000127057  011050127064  167650127067  167650127070  167650127076  011050127100  175216127105 -134425127107
       HTR   000*Y*        1BQ*YU  TXI   **Q*YX  TXI   **Q*YY  TXI   **Q*Y*        1BQ*Z0  TXI   *-**Z5        $ME*Z7
31650 -113023127111 -005260127112 -134425127051 -000000127055 -134425127057 -075346127064 -134425127065  000000031733
             RHC*Z9        -- $Z*        $ME*YR        -00*Y*        $ME*Y*        PSD*YU        $ME*YV  HTR   0003*.
31660  000001000022 -001516614264  000022157137  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   00100B        -**/KU  HTR   00B*Z*  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
31670  000000000000  000000000000  000020000020  066527132007  055676132267  100653132343  104301132473  121064132623
       HTR   000000  HTR   000000  HTR   00+00+        6VG=*7        5***BX  TXI   86$=CL  TXI   8LI=D,  TXI   *8J=FC
31700  102160132753  077235133103  103473133157 -113364133233 -113441133307 -064671133437 -000403133567 -115047134253
       TXI   8A =C$  REW   7***I3  TXI   8),=I*        R.U=*.        RIJ=.7        00Z=I*        -43=*X        RQP=K$
31710 -113516134327 -116701134403 -113767134457  123174127067  123174127070  123174127075  123174127076  125200127077
             R***LC        RXI=M3        R*X=M*  TXI   *II*YX  TXI   *II*YY  TXI   *II*Y*  TXI   *II*Y*  TXI   *-0*Y*
31720  127222127100  000214127101  006160127105 -072752127106 -104171127107 -105112127110 -071370127111 -073312127112
       TXI   **B*Z0        02**Z1  TCOB* 0/ *Z5        PC-*Z6        QJZ*Z7        QR**Z8        P=Y*Z9        P.**Z*
31730 -075311127113 -104171127051 -105112127052  000000032007  000001000023 -001066423664 -000003621527  020000000000
             P$9*Z=        QJZ*YR        QR**Y-  HTR   0003*7  HTR   00100C        -8WK*U        -03S*G  MPY   200000
31740  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  055127134533
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*        5RG=N.
31750  056163134737  050221135013  052076135067  200000135143  046105135273  053766135477  177771135627 -104352135703
             5/T=P*  CLS   52A=Q=  ZET * 5***QX  TIX   *00=RL        4/5=-,        5*W***  TXI   **Z=*G        QL-=*3
31760 -076?42136033 -100462136313 -075502130303 -077307130357 -075567130637 -077736130767 -101431131043  000000127055
             PWK= .        Q4S=T=        P*2=33  RQL   P,7=3*        P*X=E*        P***7X        Q*I=8L  HTR   000*Y*
31770  177100127060  177110127061  046570127071  134416127072  176350127075  000000127076  000000127077 -120744127100
       TXI   *Z8*Y   TXI   *Z8*Y/        4VY*YZ  TXI   =M**Y=  TXI   *TQ*Y(  HTR   000*Y*  HTR   000*Y*        -7M*Z0
32000 -123164127101 -000536127102 -135330127104 -120744127106 -000536127111 -133111127113 -120744127114  000000032063
             -IU*Z1        -5**Z2        $$H*Z4        -7M*Z6        -5**Z9        $I9*Z=        -7M*Z*  HTR   0003*T
32010  000001000024 -000214355514 -000043353401  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   00100C        -?***'        -0L*I1  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
32020  000000000000  000000000000  000020000020  103676131117  075274131324  110223131603  102507131657  110510131733
       HTR   000000  HTR   000000  HTR   00+00+  TXI   8*** .*        7-(**C  TXI   92C**3  TXI   8E7***  TXI   958**.
32030  111121132137  104623132213  035174132267 -110252132343 -116624132417 -000576133027 -110376133103 -074773133233
       TXI   99A*A*  TXI   80C=B*        3R(=BX        R2-*CL        RWD=D*        -5**HG        R3**I3        PP,=*.
32040 -112061133363 -112011134047 -116416134253  101743127051  075545127052  075545127053  100003127055  101505127057
             R*/=.T        R*9=-P        RU**K$  TXI   8*L*YR        7*N*Y-        7*N*Y$  TXI   803*Y*  TXI   8*5*Y*
32050  075464127062  077542127063  103562127064 -101573127066 -101413127070 -077360127071 -101573127074 -101573127075
       PXA   7*U*YS        7*K*YT  TXI   8*S*YU        Q*,*YW        Q**=*YY  RQI   P, *YZ        Q*,*Y(        Q*,*Y*
32060 -101413127076 -072577127100 -075407127101  000000032137  000001000025 -000211653343  000001512011  020000000000
             Q**=*Y*        PE**Z0  PXD   P*7*Z1  HTR   0003A*  HTR   00100E        -29T$L  HTR   001R*9  MPY   200000
32070  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  026364134327
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*        2TU=LG
32100  200000134533  027242134607  072610135013  200000135143  124521135347  047631135553  032766136313 -113372136367
       TIX   *00=N.        2=K=07        7F8-Q=  .IX   *00=RL  TXI   *NA=$P        4*I=*$        3GW=T=        R.**TX
32110 -113372130303 -110071130357 -112561130507 -107063131043 -000000131117 -107152131377 -107705131527  200000127111
             R.**33        RQZ=3*        RF/=57        QYT=8L        -00=9*        QZ-***        Q*5**G  TIX   *00*Z9
32120  200000127112  000000127113  000000127114  000000127052  000000127056  200000127061  200000127062 -124123127063
       TIX   *00*Z*  HTR   000*Z=  HTR   000*Z*  HTR   000*Y-  HTR   000*Y*  TIX   *00*Y/  TIX   *00*YS        -JC*YT
32130 -126027127064 -126027127065 -125423127066 -000000127067 -000000127070 -124123127071 -126027127072  000000032213
             - G*YU        - G*YV        -*C*YW        -00*YX        -00*YY        -JC*YZ        - G*Y=  HTR   0003B*
32140  000001000026 -001311546647 -000005442460  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   00100F        -*9*WP        -05MD   MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
32150  000000000000  000000000000  000020000020  141020131603  177417131733  000000132007  000000132213  200000132547
       HTR   000000  HTR   000000  HTR   00+00+  TXI   *6F**3  TXI   *(**.,  HTR   000**7  HTR   000*B=  TIX   *00=EP
32160  037712132623  000000132677  177417133027 -110067133103 -110437133157 -111367133363 -000000133437 -111370133513
             3***FC  HTR   000=F*  TXI   *(**HG        ROX=I3        R4**I*        R=X*.T        -00*I*        R=Y***
32170 -111311133643 -111370133717 -111370133773  066104127074  167465127075  167465127103  032465127104  000000127106
             R=9**L        R=Y***        R=Y**,        6/4*Y(  TXI   *(V*Y*  TXI   *(V*Z3        3DV*Z4  HTR   000*Z6
32200  061772127110  167465127111  026353127112 -143532127113 -143532127114 -143532127051 -015434127052 -000000127053
             6***Z8  TXI   *(V*Z9        2T$*Z*        ****Z=        ****Z*        ****YR  CRQ   J*I*Y-        -00*Y$
```

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32210 -000041127054 -143532127055 -143532127056  000000037267  000001000027 -001211474740 -000007401663  020000000000
              -0J*Y*        ****Y*        ****Y*  HTR   0003BK  HTR   001006         -*9PP-         -07-*T  MPY   200000
32220  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  066432134047
      MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00*        6U**-P
32230  065206134123  067245134177  200000134253  064751134403  067104134533  067410134607  071203134663 -101745135067
            6-6=JC        6*N=J*  TIX   *00=K$        6PR=M3        6Z4=V.        6I8=07        7*3*0T        Q*N=QX
32240 -064550135143 -077260135273 -071517135347 -107330135423 -102407135477 -077270135553 -107036136033  146314127061
            ONQ=RL  RUN   P= =-,        P**=$P        Q,H=*C        GD2=**  RUN   P=Y**$        QY*= .  TXI   *T**Y/
32250  146314127062  146314127066  146314127070  146314127072  000001127073  000001127074  000001127076 -102233127100
      TXI   *T**YS  TXI   *T**YW  TXI   *T**YY  TXI   *T**Y=  HTR   000*Y,  HTR   000*Y(  HTR   000*Y*        QB.*Z0
32260 -077005127101 -077323127103 -077323127104 -077323127112 -077323127053 -077323127054 -101477127055  000000032343
            PY5*Z1  ROL   P,C*Z3  RQL   P,C*Z4  ROL   P,C*Z*  ROL   P,C*YS  ROL   P,C*Y*        Q***Y*  HTR   0003CL
32270  000001000030 -000603373405 -000007040043  020000000000  020000000000  020000000000  020000000000  000000000000
      HTR   00100*         -63*15         -0740L  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
32300  000000000000  000000000000  000020000020  071607136163  134257136237  122262130303  001043130433  132017130563
      HTR   000000  HTR   000000  HTR   00*00*        7*7=/T  TXI   =K**S*  TXI   *BS=33        0BL=4.  TXI   ****5T
32310  076333130767  076625131117  077163131323 -000121131527 -115360131657 -060307131733 -113603132417 -122133132677
      LLS   7I.=7X  ARS   7WE=9*  ARS   7ZT==C         -1A**G        RS =**  DST   037=*.        R*3=D*        -A.=F*
32320 -102727133103 -103722133233 -135156133363  006226127056  124757127061  077176127063  076120127064  124757127065
            QGG=I3        Q*8=*.        $R*=.T  TCUC  OS7*Y*  TXI   *P**Y/  ARS   7Z**Y?  NOP   7/**YU  TXI   *P**YV
32330  124757127067  077176127071  076120127072 -072312127073 -070515127074 -070655127076 -124072127077 -124072127100
      TXI   *P**YX  ARS   7Z**YZ  NOP   7/**Y=        PC**Y,        P5**Y(        P6**Y*        --=*Y*        --**Z0
32340 -072312127101 -070515127103 -070655127104  000000032417  000001000031  000166122346 -000000327117  020000000000
            PC**Z1        P5**Z3        P6**Z4  HTR   0003D*  HTR   001001         01=*C0         -00*Z*  MPY   200000
32350  020000000000  020000000000  020000000000  072675513400  072732214400  000000000000  000020000020  131105133437
      MPY   200000  MPY   200000  MPY   200000        7F*RI0        7G*AM0  HTR   000000  HTR   00*00*  TXI   =95=**
32360  075617133513  077312133567  070365133643  075030134123  071534134253  074051134327  076316134403 -115605134607
      PCA   7*****        7,$=*X        73V=*L        7QH=JC        7*)=K$        7-R=LG  LLS   7T*=M3        R*5=07
32370 -074303135143 -121426135217 -111773135347 -000000135553 -065303135627 -117664135757 -125055136033  133557127110
            PL3=RL        -*F=-*        R*,=$P        -0C**$        0$3=*G        R*U=**        -Q** .  TXI   ****Z8
32400  125446127112  121234127114  120301127051  133557127052  121234127056  000000127060  000000127061 -100524127062
      TXI   **0*Z*  TXI   **)*Z*  TXI   *31*YR  TXI   ****Y-  TXI   **)*Y*  HTR   000*Y   HTR   000*Y/        Q5D*YS
32410 -077467127063 -071540127066 -105406127072 -106442127073 -071540127074 -100524127076 -077467127077  000000032473
      AXC   P(X*YT        P*-*YW        Q*6*Y=        QUK*Y,        P*-*Y(        Q5D*Y*  AXC   P(X*Y*  HTR   00030,
32420  000001000032 -000757167252  000016065200  020000000000  020000000000  020000000000  020000000000  000000000000
      HTR   00100*         -7***-  HTR   00*6-0  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
32430  000000000000  000000000000  000020000020  100003136107  077020136313  074101136367  077560130303  114725131117
      HTR   000000  HTR   000000  HTR   00*00*  TXI   803=/7  WEF   7Y*=T=        7J1=TX        7* =33  TXI   9PE*9*
32440  067450131173  074617131247  103656131377 -102401131453 -077300131657 -073362132063 -103322132213 -112145132267
            6(Q=9,        7C***P  TXI   8*****        QDI=*$  RQL   P,0=**        P=S**T        Q.8=8=        RAN=8X
32450 -103541132343 -061311132537 -101751132623  110017127101  110630127103  112420127104  111221127105  110017127107
            Q*J=CL        0=9=EP        Q*R=FC  TXI   90**Z1  TXI   96H*Z3  TXI   9D**Z4  TXI   9*A*Z5  TXI   90**Z7
32460  110630127110  112420127112  000000127051 -100163127052 -100163127053 -075554127054 -077440127055 -103060127056
      TXI   96H*Z8  TXI   9)**Z*  HTR   000*YR        Q1T*Y-        Q1T*YS        P***Y*  AXC   P(-*Y*        QH *Y*
32470 -101175127057 -100163127060 -075554127062  000000032547  000001000033 -001063634123 -000003416224  020000000000
            Q9**Y*        Q1T*Y         P***YS  HTR   0003EP  HTR   00130.         -8TTJC         -03JSD  MPY   200000
32500  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  053041132677
      MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*        5HJ=F*
32510  071106132753  052075133027  052454133103  123711133157  200000133307  051755133437  111167133567 -073710133717
            796=G$  ZET * 5**=HG        5D**I3  TXI   **9=1*  TIX   *00=.7        5***)*  TXI   99X**X  PDC   P*8=**
32520 -101711133773 -100273134047 -100060134123 -100575134177 -101533134253 -073421134327 -103631134403  000000127064
            Q*9=*,        Q2,=-P  STR   Q0 =JC        Q5**J*        Q*.=K$  PDX   P)A=LG        Q*I=M3  HTR   000*YU
32530  200000127065  200000127066  000000127067  000000127070  200000127073  000000127076  200000127102 -126604127103
      TIX   *00*YV  TIX   *00*YW  HTR   000*YX  HTR   000*YY  TIX   *00*Y,  HTR   000*Y*  TIX   *00*Z2         -W4*Z3
32540 -123217127106 -000000127110 -126604127111 -123217127114 -126604127061 -000000127066 -125124127067  000000032623
             -***Z6         -00*Z8         -W4*Z9         -***Z*         -W4*Y/         -00*YW         -RD*YX  HTR   0003FC
32550  000001000034 -001230115272  000010005437  020000000000  020000000000  020000000000  020000000000  000000000000
      HTR   001001         -*H9-=  HTR   0080**  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
32560  000000000000  000000000000  000020000020  073716134457  017330134607  055414134737  054053135067  200000135143
      HTR   000000  HTR   000000  HTR   00*00*  PAC   7***M*        1,H=07        5***P*  RCHA  5-$=GX  TIX   *00=RL
32570  200000135217  055441135477  055426135627 -125201135757 -116776136033 -125727136107 -000000136237 -125012136313
      TIX   *00=-*        5***=**       5*F=*G         --1=**        RX*= ,         -*G=/7         -00=S*         -Q*=T=
32600 -125716130357 -100524130433 -032175130507  166344127070  040541127071  000000127073  140507127075  166344127076
             -***3*        Q5D=4.        LA*.57  TXI   *TM*YY        45J*YZ  HTR   000*Y,  TXI   *57*Y*  TXI   *TM*Y*
32610  041623127071  000000127102  157773127104 -013600127105 -017533127111 -014334127113 -162733127051 -014334127055
            4*C*Y*  HTR   000*Z2  TXI   **,*Z4         J*0*Z5         J*,*Z9         JL)*Z=         *G.** R        JL)*Y*
32620 -162733127056 -162733127057 -162733127060  000000032677  000001000035 -001006617230 -000014064664  020000000000
            *G.*Y*        *G.*Y*        *G.*Y   HTR   0003F*  HTR   00100*         -86/=H         -0*600  MPY   200000
32630  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  135377131117
      MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   =$*=9*
32640  047661131173  054671131323  051516131453  100121131657  070724131733  175142132267  055677132473 -101545132547
            4*/=9,  LCHE* 5)7==C        5***'$  TXI   81A=**        77D=*.  TXI   *RK=8X        5***D,        Q*N=EP
32650 -001376132623 -122411132677 -116047132753 -114512133027 -116217133307 -114752133513 -064247133567  124130127062
             -=**FC         -DY=F*        R **G$        RN*=HG        RS*=.7        RP-=**  SCHF  DKP**X  TXI   *JH*YS
32660  115007127063  131260127065  131260127067  123261127071  123645127072  002363127074  002363127075 -075303127100
      TXI   9Q7**T  TXI   =* *YV  TXI   =* *YX  TXI   **/*YZ  TXI   **N*Y=        0CT*Y(        0CT*Y*        P$3*Z0
32670 -076402127101 -076402127102 -075351127104 -105672127105 -105211127106 -076402127107 -076402127110  000000032753
      BSF   PU2*Z1  BSF   PU2*Z2        P$R*Z4        Q**Z5         Q-9*Z6  BSF   PU2*Z7  BSF   PU2*Z8  HTR   0003G$
32700  000001000036 -000262312552  000275015707  020000000000  020000000000  020000000000  020000000000  000000000000
      HTR   00100*         -2SIE-  HTR   0006*Y  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
32710  000000000000  000000000000  000020000020  060765133643  071077133717  177577133773  073516134047  072023134177
      HTR   000000  HTR   000000  HTR   00*00*        67V=*L        78*=**  TXI   *****,        7**=-P        7*C=J*
32720  073750134457  057227134607  065151135013 -117607135067 -111004135143 -111016135347 -000000135423 -074210135757
      PAC   7*0=M*        5=0=07        *RR=Q=        R*7=QX        R84=KL        R8**$P        -00=*C        PK8=**
32730 -110257136107 -116653136313 -112603130357  000000127111  013124127113  115101127051  137660127055  141770127056
            R2**/7        R*$=T=        RF3=3*  HTR   000*Z9  XCA   1IC*Z=  TXI   9R1*YR  TXI   ** *Y*  TXI   **Y*Y*
32740  115101127057  114331127061  117251127062 -061000127072 -105316127074 -105316127075 -063653127077 -102553127101
      TXI   9R1*Y*  TXI   9L1*Y/  TXI   9KR*YS        0B0*Y=        Q$**Y(        Q$=*Y*  SCD   0*$*Y*        QE$*Z1
32750 -105316127103 -105424127104 -102553127107  000000033027  000001000037  000065721572  000032704311  020000000000
            Q$**Z3        Q*L*Z4        QE$*Z7  HTR   0003HG  HTR   00100*  HTR * 00V=*=  HTR   00*YL9  MPY   200000
32760  020000000000  020000000000  020000000000  050313041400  050460477400  000000000000  000020000020  010427130433
      MPY   200000  MPY   200000  MPY   200000        53=4*0        54 P(0  HTR   000000  HTR   00*00*        14G=4.
32770  047156130507  050030130563  200000131043  200000131247  020066131323  035053131433  200000131603 -145244131733
            4A**57  CLA   50H=5T  TIX   *00=8L  TIX   *00=*P  MPY * 20W==C        30$='$  TIX   *00=*3        *-M=*.
33000 -155041132267 -144471132623 -037765132677 -000000132753 -145763133103 -101031133307 -000000133363  070141127051
            *0J=8X        *UZ=FC        L*V=.*         -00=G$        **I=I3        Q8I=.7         -00=.T        71J*YR
33010  073003127052  072737127053  164740127054  164740127055  064605127056  000000127057  063166127062 -007201127063
            7H3*Y-        7***Y$  TXI   *P-*Y*  TXI   *P-*Y*        6)5*Y*  HTR   000*Y*        61.*YS         -=1*YT
33020 -100325127064 -014037127071 -153355127072 -147574127074 -011412127076 -147574127102 -147632127103  000000033103
            Q3E*YL  TN)   J-**YZ        *.**Y=        **(*Y(  CAL   J***Y*        **(*Z2        ****Z3  HTR   000313
33030  000001000040 -002116357751 -000033146145  020000000000  020000000000  020000000000  020000000000  000000000000
      HTR   00100-         -2)T*R         -0.*/N  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
33040  000000000000  000000000000  000020000020  200000133437  025445133513  031354133643  033326133717  200000133773
      HTR   000000  HTR   000000  HTR   00*00*  TIX   *00=)*        2*N-**        3***=L        3.F=**  TIX   *00=*,
```

```
33050  034655134253  200000134403  030553134533 -163713134663 -012050134737 -164336135067 -003113135143 -002652135423
             3U**K$  TIX   +00*M3  DFAM  35$*N.          ****0T  TPI   J+Q*P*         *L**QK  TEFD  -1**RL  TRCF  -F-**C
33060 -165472135477 -034637135553 -165136135757  000000127104  000000127106  200000127052  200000127053  000000127054
             ******          LO**$          *R****  HTR   000*Z4  HTR   C00*Z6  TIX   +C0*Y-  TIX   +00*Y$  HTP   000*Y*
33070  000000127057  200000127060  200000127061 -070704127062 -143653127065 -000000127067 -141723127071 -143476127076
       HTR   000*Y*  TIX   +00*Y   TIX   +00*Y/          K74*YS          ****YY          -00*YX          **C*YZ          *)**Y*
33100 -141723127100 -143653127101 -000000127102  000000033157  000001000041 -000157217111 -000013702214  020000000000
             **C*Z0          ***$*Z1          -00*Z2  HTR   00031*  HTR   00100J          -1*AZ9          -0*YB'  MPY   200000
33110  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  077364136033
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*          7,U* .
33120  077266136163  100533136313  101453130357  100147131043  077633131453  077630132007  077133132213 -101205132417
       REW   7*M*/T  TXI   85.*T*  TXI   M'$*3*  TXI   81**8L  SDN   7*.**$  SDN   7*M**7  ARS   7Z.*B*          3*5*D*
33130 -077737132753 -077277133103 -102257133157 -100650133363 -071427133437 -101270133513 -101326133643  071021127104
             P***G$  RUN   P**13           Q8**|*          Q6Q*.T          P'G*)*          Q6Y***          Q*F**L          78A*Z4
33140  071021127105  071541127106  110712127111  077662127051  110712127052  110712127053  071541127057 -101351127062
             78A*Z5          7*J*Z6  TXI   974*Z9  SDN   7*S*YR  TXI   974*Y-  TXI   974*Y$          7*J*Y*          Q*R*YS
33150 -101351127063 -100633127064 -100633127065 -067600127067 -101351127071 -100533127073 -101351127077  000000033233
             Q*R*YT          Q6.*YU          Q6.*YV          0*0*YX          Q*R*YZ          Q6.*Y,          Q*R*Y*  HTR   0003*.
33160  000001000042 -000463412336  000041005465  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   00100K          -4TJC*  HTR   00JC*V  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
33170  000000000000  010567662000  000020000020  104717134047  064361134253  075371134327  105761134533  076273134607
       HTR   000000          15XM*0  HTR   00*00*  TXI   8P**-P  SCHG* 6L/*K$          7$Z*LG  TXI   8*/*N.  RDS   7S,*07
33200  071325134663  120604135013  072500135067 -102410135143 -105002135217 -103767135273 -102302135347 -065436135627
             7*E*0T  TXI   $64*Q*          7EO*QX          Q08*RL          Q02*-*          Q*X*-,          QC2*$P          3***G
33210 -074272136163 -077055136237 -101067130303  130543127101  071510127102  070554127103  105474127105  130457127107
             PK**/T          PY**S*          Q8X*33  TXI   *5L*Z1          7*8*Z2          75**Z3  TXI   8*(*Z5  TXI   *4**Z7
33220  070164127112  136407127114  000000127052 -114446127053 -114371127054 -114446127061 -047752127065 -113232127066
             71U*Z*  TXI   *U7*Z*  HTR   000*Y-          RMO*Y$          RLZ*Y*          RMO*Y/          M*-*YV          R***YW
33230 -114446127067 -076707127071 -033506127072  000000033307  000001000043 -000275003123  000021344331  020000000000
             RMO*YX          PX7**Z          L*6*Y*  HTR   0003./  HTR   00100L          -2*0IC  HTR   00AILI  MPY   200000
33240  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  104121130357
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   8JA*3*
33250  071740130507  071274130713  070254131117  067303131173  110322131247  066030131323  132267131453 -057063131527
             7*-*57          7*(*7*          72***9*         6,3*9.  TXI   938**P          6 M**C  TXI   *BX*'$          NYI**G
33260 -105250131603 -105250131733 -071775132007 -070430132213 -106667132267 -107404132417  105250132623  146314127073
             Q-Q**3          Q-Q**.          P****7          P4H*B*          QMX*BX          Q(4*D*          Q-Q*FC  TXI   *T'*Y,
33270  000000127077  146314127102  146314127110  000000127113  146314127051  000000127054  146314127057 -123373127061
       HTR   000*Y*  TXI   *T'*Z2  TXI   *T'*Z8  HTR   000*Z*  TXI   *T'*YR  HTR   000*Y*  TXI   *T'*Y*          -.,*Y/
33300 -123373127062 -123373127063 -000000127066 -123373127071 -073261127072 -073261127100 -073261127106  000000033363
             -.,*YS          -.,*YT          00*YW           -.,*YZ          P*/*Y*          P*/*Z0          P*,*Z6  HTR   0003.T
33310  000001000044 -000011237665  000034063622  020000000000  020000000000  020000000000  020000000000  011311756400
       HTR   00100M          -09C*V  HTR   C016*6  MPY   200000  MPY   200000  MPY   200000  MPY   200000          1*9*J0
33320  010771362400  000000000000  000020000020  155337132753  177123133027  177123133233  015141133353  036650133513
             17Z*D0  HTR   000000  HTR   00*00*  TXI   *$**G$  TXI   *ZC*HG  TXI   *ZC**.          1RJ*.T          3*0***
33330  007620133567  000426133643  137712134047 -126045134123 -077633134327 -126710134403 -125133134457 -127623134533
             D****X          04F**L  TXI   ****-P          - N*JC          P*.*LG          -XR*M3          -R.*M*          -*C*N.
33340 -067767134737 -040302135013 -015720135143  174641127110  007610127111  002620127114  174066127051  174641127052
             D*X*P*          M32*Q*          J***RL  TXI   *0J*Z8          0*8*Z9  TRCE  OF**Z'  TXI   *-M*YR  TXI   *0J*Y-
33350  002620127054  002620127056  172115127060 -055320127061 -123345127062 -123345127063 -005046127065 -055320127067
       TRCE  OF**Y*  TRCE  OF**Y*  TXI   *A**Y           N$**Y          -.N*YS          -.N*YT          -00*YV          N$**YX
33360 -123345127070 -123345127071 -122242127072  000000033437  000001000045 -000014400147  000077360001  020000000000
             -.M*YY          -.N*YZ          -BK*Y*  HTR   000 )*  HTR   00100N          -0'-1P  HTR * 00**01  MPY   200000
33370  020000000000  020000000000  020000000000  031367715000  030175522400  000000000000  000020000020  063761135217
       MPY   200000  MPY   200000  MPY   200000          3*XZ0C  DFAD* 31*-D0  HTR   000000  HTR   00*00*          6*/*-*
33400  175770135477  067250135627  200000135703  071274136033  073130136107  040730136313  001255130433 -035431130563
       TXI   **Y***          6*Q**G  TIX   +00**3          7*(* .          7IM*/7          47M*T*          0***4.          $*1*ST
33410 -133356130637 -135524130713 -125123130767 -001057131043 -001057131117 -140050131173 -061712131527  000000127073
             $.**6*          $*D*7*          -RC*7X          -8**8L          -8**9*          *0Q*9,          7****G  HTR   000*Y,
33420  155577127076  011455127106  173010127112  173312127113  026666127114  173312127055  000000127057 -133461127061
       TXI   ****Y*  CVR   1'**Z6  TXI   *H8*Z*  TXI   *.**Z*          2MM*Z'  TXI   *.**Y*  HTR   000*Y*          $)/*Y/
33430 -012566127062 -075052127064 -134455127065 -133461127066 -012566127070 -075052127072 -134455127073  000000033513
             JEM*YS          PQ-*YU          $M**YV          $)/*YW          JEM*YY          PQ-*Y*          .M**Y,  HTR   0003**
33440  000001000046 -001030046452 -000005167256  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001000          -8H4U-          -05***  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
33450  000000000000  000000000000  000020000020  116421131657  053214132007  200000132063  055211132267  114634132343
       HTR   000000  HTR   000000  HTR   00*00*  TXI   9UA***          5*'**7  TIX   +00**T          5-9*8X  TXI   90)*CL
33460  053265132417  053215132753  065373133103 -123021133233 -001274133307 -123021133363 -122617133643 -123013134047
             5*V*D*          5***G$          6$,*13          -HA**.          -*(*.7          -HA*.T          -F***L          -H**-P
33470 -057317134123 -077656134327 -103410134457  130072127074  153702127075  000000127077  000000127100  130074127102
             N,**JC          P***LG          C18*M*  TXI   *0**Y(  TXI   **2*Y*  HTR   000*Y*  HTR   000*Z0  TXI   *C(*Z2
33500  153702127103  014103127104  153702127111 -121407127114 -121411127051 -005505127052 -121411127055 -121411127057
       TXI   **2*Z3          1J3*Z4  TXI   **2*Z9          -'7*Z'          -'9*YR  SIL   -*5*Y-          -'9*Y*          -'9*Y*
33510 -021203127062 -121411127063 -121411127064  000000033567  000001000047 -000511333367  000014136227  020000000000
             K*3*YS          -'9*YT          -'9*YU  HTR   0003*X  HTR   00100P          -59..X  HTR   00'*SG  MPY   200000
33520  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  112777135013
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   9G**Q*
33530  061045135143  061517135347  066777135423  060716135477  071515135627  200000136033  060560136107 -102311136313
             6RN*RL          6***$P          6X***C          67****          7***G  TIX   +00* .          65 */7          QC9*T*
33540 -103126130433 -070736130563 -073347131043 -074170131117 -104620131173 -100103131247 -104717131323  000000127070
             QIF*4.          P7**ST          P.P*B.          PJY*9*          QD**9,          Q13**P          QP***C  HTR   000*YY
33550  126026127101  124155127102  124650127104  126026127107  124650127112  126026127114  000000127052 -101743127053
       TXI   * F*Z1  TXI   *J**Z2  TXI   *0Q*Z4  TXI   * F*Z7  TXI   *0Q*Z*  TXI   * F*Z'  HTR   000*Y-          Q*L*Y$
33560 -100202127054 -076266127056 -076140127057 -101173127060 -101743127061 -077556127063 -076266127064  000000033643
             Q22*Y*          PSM*Y*          P/-*Y*          Q9,*Y           Q*L*Y/          P***YT          PSM*YU  HTR   0003*L
33570  000001000050 -001111166041  000011206520  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   00100Q          -99* J          -09*V*  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
33600  000000000000  000000000000  000020000020  052444131453  200000131657  050777131733  054021132007  062153132063
       HTR   000000  HTR   000000  HTR   00*00*          5DM*'$  TIX   +00***          57***.  RCHA  5-A**7  STA   6A$**T
33610  101564132473  142221132623  052132132677 -111011132753 -111455133027 -112130133103 -112130133233 -105553133437
       TXI   8*U*D,  TXI   '8A*FC          5A**F*          R89*G$          R'**HG          RAM*13          RAM**.          Q*$*1*
33620 -000000133567 -111106133717 -112147134327  110312127065  110243127066  110771127067  111157127070  112005127071
             -00**X          R96***          RAP*LG  TXI   93**YV  TXI   92'*YW  TXI   972*YX  TXI   99**YY  TXI   9*5*YZ
33630  111157127076  111666127100  000000127102 -100007127104 -077036127105 -077202127106 -077202127114 -101116127052
       TXI   99**Y*  TXI   9*M*Z0  HTR   000*Z2  STR   007*Z4          PY**Z5  RUN   P*2*Z6  RUN   P*2*Z'          Q9**Y-
33640 -077036127055 -101033127057 -101116127060  000000033717  000001000051 -001313073602  000023065656  020000000000
             PY**Y*          Q8.*Y*          Q9**Y   HTR   0003**  HTR   00100R          -**7*2  HTR   00C6**  MPY   200000
33650  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  075360134607
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*          7$ *07
```

```
33660  102('31134737  07(054135067  076113135273  121475135347  05125 135423  .76517135477  1C1650135553 -106457135627
       TXI  aF,=P=   PSE  7 ==UX   NOP  //==-,   TXI  =*==$>       6*C=*C   LAS  7V====   TXI  E=Q==$       0U===G
33670 -107601135757 -106116136107 -117041136163 -111434136313 -00.CC 136367 -110341130303 -112371130637  111652127061
            Q=1===        Q/==//        XVJ=/T        @*4.T=        -CC=TX        @3J=33        @CZ=6=   TXI  9=-=V/
33700  111652127062  111044127063  107750127064  111747127067  111160127C71  :10065127072  00000 127075 -076760127103
       TXI  9=-=YS   TXI  9@@=YT   TXI  ==G=YU   TXI  9===YX   TXI  99 =Y/   TXI  9QV=T=   HTR  0C0=Y=        PX =Z3
33710 -076760127104 -100537127105 -077005127110 -076760127111 -10.537127113 -100537127055 -102007127056  000000033773
            PX =Z4        Q5==Z5        PY5=/8        PX =Z9        C5==Z=        Q5==Y=        C=7=Y=   HTR  00C3=.
33720  000001000052 -001125713454  00C003151004  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR  00100-         -7EZ1=   HTR  003=34   MPY  200000   MPY  200000   MPY  200000   MPY  200000   HTR  000000
33730  000000000000  214703335000  000020000020  200000133767  071231131043  045445131117  104564131247  025320131377
       HTR  000000   TIX  AP3.00   HTR  00=00=   TIX  =00=7X        2=.=3L        4=%=9=   TXI  PMU==P        2$====
33740  075216131453  166226131733  073327132063 -130300132137 -130422132343 -134422132417 -010767132623 -131442132677
            7-===$   TXI  =SF==.        7.G==T        $33=A=        $46=CL        $M5===        J7S=FC        $*K=F=
33750 -054723133157 -133776134177 -007063134.53  200000127057  000000127060  000000127061  200000127064  200000127065
       LCHH  NPC=1=        $===J=        -VT=<$   TIX  =00=Y=   HTR  000=Y    HTR  000=V/   TIX  =00=Y,   TIX  =00=YV
33760  000000127066  000000127071  200000127072 -147571127077 -146042127103 -146042127104 -000000127106 -000000127107
       HTR  000=Y6   HTR  000=YZ   TIX  =J0=Y=        ==Y=Y=        = ==Z3        = K=Z4        -C0=Z6        -0C=Z7
33770 -146042127110 -146042127112 -000000127051  000000034047  000001000055 -000022123573 -000017051440  020000000000
            = K=Z8        = <=Z=        -00=YR   HTR  0003-?   HTR  001ULS        -C3==,        -G=5*-   MPY  200000
34000  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  200000134403
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00=00=   TIX  =0C=M3
34010  046765134457  063147134533  046234134663  177575134737  050270135067  056735135217  050364135273 -104520135347
            4XV=M=        6IP=N.        4S1=0T   TXI  ====P=   CLS = 52Y=QX        5X==-=        53U=-,        CN==$P
34020 -055453135477 -074640135553 -101205135627 -103744135757 -103564136107 -111157136313 -076625136367  107506127052
            Y=$===        PJ-==$        C@5==G        Q=M===        ==U=//        @9==T=        P=E=IX   TXI  @=6=Y-
34030  107566127053  107716127054  120320127055  120046127056  104127127060  104127127061  000000127065 -101740127066
       TXI  8=6=YS   TXI  8===Y=   TXI  =3==Y=   TXI  =00=Y=   TXI  8.G=/    TXI  9J3=Y/   HTR  003=YV        Q=-=YW
34040 -101740127067 -072077127071 -102033127073 -101740127074 -101740127075 -072077127077 -101740127103  000000034123
            Q=-=YX        P===YZ        C=.=Y,        Q=-=YI        Q=-=Y=        P===Y=        Q=-=Z3   HTR  0003JC
34050  000001000054  000154130303  000032247136  020000000000  020000000000  020000000000  020000000000  107177620400
       HTR  00100=         01U=33   HTR  C0=CZ=   MPY  200000   MPY  200000   MPY  200000   MPY  200000   TXI  8Z=540
34060  107345213400  000000000000  000020000020  065642130563  071460130767  102713131043  200000131247  055550131323
       TXI  8.NAIC   HTR  000000   HTR  00=00=        6=K=5I        7* =7X   TXI  8G==8L   TIX  =00==P        5=G==C
34070  065242131657  066267131733  064740132137 -127137132213 -110725132417 -126105132623 -000000132753 -115750133157
            6-K===        6SX==.   SCHE  6K-=A=        -Z==8=        @7E=J=        -/5=FC        -00=C$        R=G=1=
34100 -031261133363 -126545133437 -113607133513  000000127104  000000127106  125174127111  132360127112  126466127114
            L=/=.T        -VN=1=        K=7===   HTR  000=Z4   HTR  000=Z6   TXI  =R1=Z9   TXI  =C <=    TX  =UN=Z*
34110  120431127051  121747127052  127133127054 -000000127055 -114117127057 -112535127061 -105135127062 -111337127064
       TXI  =41=YR   TXI  ==P=Y-   TXI  =Z.=Y=        -00=Y=        =J==Y=        RE==Y/        GR==YS        R===YJ
34120 -112535127066 -112535127067 -105135127070  000000034177  000001000055 -001312505616 -000022141134  020000000000
            RE==Yh        RE==YX        GR==YY   HTR  0003J=   HTR  00100=        -==Q@=        -C@*9I   MPY  200000
34130  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  105672133567
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00=00=   TXI  5====X
34140  013375134403  177712134533  177712134607  037571134663  050516135013  071760135217  054375135273 -126451135423
            1.==M3   TXI  ===$=N.  TXI  ===$=C/        3=Z=CI        55==J=        7= <==   RCHG= 5L==-,        -UR==C
34150 -125130135477 -125002135553 -125020135627 -124132136107 -000000136163 -126071130357 -000000130433  006364127071
            -RH===        -3Z-=$        -J===G        -J==//        -00=/T        - Z=3=        -00=4.   TCOD= 0TJ=YZ
34160  006364127072  116007127074  116007127076  135412127100  116263127101  115676127102  135215127106 -101564127107
       TCOD= 0TU=Y=  TXI  9 7=Yi   TXI  9 7=Y=   TXI  ====ZC   TXI  9ST=Z1   TXI  9===Z2   TXI  =-==Z6        G=U=Z7
34170 -103336127112 -066142127114 -101564127051 -103635127052 -103635127060 -067714127063 -103321127066  000000034253
            Q.==Z=        O/K=Z*        G=U=YR        C===Y-        G===Y         C*=Y!         O.A=YH   HTR  0003KS
34200  000001000056 -001611567402 -000013422026  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR  00100=         -=9=(2         -0=K=F   MPY  200000   MPY  200000   MPY  200000   MPY  200000   HTR  000000
34210  000000000000  000000000000  000020000020  054257130713  053640130767  200000131117  052115131247  036130131323
       HTR  000.00   HTR  000000   HTR  00=00=   RCHE  5K==7=        5=-=7X   TIX  =00=9=        5A===P   ACL  3/H==C
34220  200000131453  053734132063  067465132137 -113307132267 -102231132343 -105427132417 -076304132473 -050341132547
       TIX  =00=*$        5=1==T   SXA  61V=A=        K.7=BX        CBI=CL        Q=G=D=   LGL  PT4=D,        N3J=EP
34230 -077762132677 -105226132753 -100531133103  000000127067  011541127072  132262127074  132262127075  147717127077
            P=S=F=        O-F=G$        C5I=I3   HTR  000=YX        1=L=Y=   TXI  =BS=YI   TXI  =aS=Y=   TXI  *===Y=
34240  102362127101  103575127104  123372127106 -104137127110 -104137127111 -104137127112 -064121127114 -104137127052
       TXI  8C5=Z1   TXI  8===Z4   TXI  =.==76        GJ==Z8        QJ==Z9        QJ==Z=   SCHD  OJA=Z*        QJ==Y-
34250 -104137127053 -104137127054 -062564127055  000000034327  000001000057 -001210442645 -000014754203  020000000000
            QJ==Y$        QJ==Y=   STL = 0FU=Y=  HTR  0003LG   HTR  00100=        -=HMFN        -0*=K3   MPY  200000
34260  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  074334133233
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00=00=        7L)==.
34270  070667133307  074171133513  072717133567  200000133643  055503133773  06265 134123  063064134403 -104577134457
            76X=.7        7JZ===        7G===X   TIX  =00==L        5=3==,        6F$=JC   STP = 6HU=M3        ON==M=
34300 -075316134533 -104205134607 -104411134663 -100656134737 -102547135013 -103763135067 -055432135143  000000127056
            P$==N.        QK5=07        CM9=JT        Q6==P=        GEP=Q=        Q=T=QX        N===RL   HTR  000=Y=
34310  124473127057  125511127060  126435127062  124004127063  124473127065  126435127070  000000127074 -077410127075
       TXI  =M,=Y=   TXI  ==9=Y    TXI  =U==YS   TXI  =-4=YT   TXI  =M,=YV   TXI  =U==YY   HTR  000=YI   AXC  P(8=Y=
34320 -105010127100 -077024127102 -075474127104 -077024127110 -101366127113 -100530127051 -075474127054  000000034403
            QQ8=Z0        PYL=Z2   PXD  P=(=Z4        PYL=Z8        G=W=Z=        Q5H=YR   PXD  P=(=Y=   HTR  0003M3
34330  000001000060 -000611621140  000027677355  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR  00100          -6959-   HTR  00GX,=   MPY  200000   MPY  200000   MPY  200000   MPY  200000   HTR  000000
34340  000000000000  000000000000  000020000020  065450135217  116315135347  046644135423  117301135553  137351135627
       HTR  000000   HTR  000000   HTR  00=00=        6=J=-=   TXI  9T==$P        4HM==C   TXI  9,7==$   TXI  -,R==G
34350  067037135703  076171136107  061034136163 -000000136367 -170204130433 -066346130563 -173476130767 -000000131527
            6Y===3   NOP  7/Z=/7        691=/T        -00=TX        =24=4.        OTU=5T        =1==7X        -00==G
34360 -137366131733 -166140132007 -000000132213  000000127056  125337127057  124742127062  125337127065  127724127066
            $,W==.        =/-==7        -00=6=   HTR  000=Y=   TXI  =$==Y=   TXI  =PK=YS   TXI  =$==YV   TXI  ==D=YW
34370  127264127067  120725127072  000000127073 -073620127075 -077100127076 -077100127077 -104515127100 -076323127101
       TXI  ==U=YX   TXI  =7F=Y=   HTR  C00=Y,        P===Y=        P70=Y=        P7C=Y=        QN==Z0   LGL  PT(=Z1
34400 -077100127104 -077100127105 -104515127106  000000034457  000001000061 -000263331367 -000001653344  020000000000
            PZ0=Z4        P70=Z5        QN==Z6   HTR  0003M=   HTR  00100/         -2T.=X        -01V.M   MPY  200000
34410  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  076467132473
       MPY  200000   MPY  200000   MPY  200000   HTR  000000   HTR  000000   HTR  000000   HTR  00=00=   BSR  7UX=D,
34420  100405132623  103125133157  071314133363  102542133437  102345133513  102114133567  075015133643 -111225133717
       TXI  845=FC   TXI  81E=1=        7=*=.T   TXI  REK=1=   TXI  8CN===   TXI  8A*==X        7O==L         R=E===
34430 -106032134327 -007363134403 -112310134457 -114344134607 -111570134663 -104764135347 -103504135553  000000127112
            Q ==LC        -,T=M3        RC8=M=        RLM=07        R=Y-UT        QPU=$P        Q=4==$   HTR  000=Z=
34440  007455127113  007455127114  142112127053  145036127055  142112127057  142112127060  145250127064 -100264127065
       TSX  O(==Z=   TSX  O(==7*   TXI  *A==Y$   TXI  *Q==Y=   TXI  *A==Y=   TXI  *A==Y    TXI  *-O=YU        O2U=YV
34450 -076212127066 -102047127071 -100245127072 -100264127073 -076212127074 -076212127075 -102060127076  000000034533
            2S==YW        Q=K=YZ        C2N=Y=        C2U=Y,        PS==YI        PS==Y=        Q= =Y=   HTR  0003N.
34460  000001000062 -000410025522  000013371143  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR  001005         -482=8   HTR  00==9L   MPY  200000   MPY  200000   MPY  200000   MPY  200000   HTR  000000
34470  000000000000  013120262000  000020000020  112477135703  200000135757  065301136163  000000136367  200000130357
       HTR  000000   XCA  11=F=0   HTR  00=00=   TXI  9F==3    TIX  =00 ==        6$1=/T   HTR  000=TX   TIX  =00=3=
34500  000000130507  200000130767  000000131323 -111555131603 -111166132213 -110015132343 -000671132417 -106550132547
       HTR  000=57   TIX  =00=7X   HTR  000==C        R===3         R9W=H=        R0==CL        -67=D=        QVO-FP
```

```
34510 -116337132623 -107275132671 -107520133027  004064127107  120424127103  120424127104  120112127105  135042127106
               ATe*FL        Q***F*        ****HG  TL* * G-J*ZC  TXI   *4**Z3  TXI   *4J*Z4  TXI   *1**Z5  TXI   *Q**Z6
34520  120424127111  135042127114  000000127055 -053664127056 -105177127062 -111514127063 -105177127066 -105177127067
       TXI   *4D*Z5  TXI   ***0Z*  HTR   JOO*V*        **U*Y*        G***YS        R***YT        GR**Y*        GR**YX
34530 -105177127070 -111514127071 -053664127072  000000034607  000001000053 -001161235135 -000034377517  020000000000
              Q***YY        R***YZ        ***Y*  HTR   000307  HTR   001001        -9/CR*        -0I***  MPY   200000
34540  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  104173133157
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   8J,*I*
34550  000000133233  000000133307  200000133363  073605133513  200000134123  200000134177  000000134327 -132554134403
       HTR   000*._  HTR   000*.7  TIX   *00*.T        7*5***  TIX   *00*JC  TIX   *C0*J*  HTR   000*LG        $F***3
34560 -000000134533 -000000134607 -127727135013 -076303135143 -130761135273  133003135477 -133003135627  056550127073
              -00**.        -00*07        -***C*  LGL   PT3*RL        $7/*-,        $F3***        $H3**G        5V3*Y,
34570  074645127075  147077127076  060315127100  056550127102  147077127104  147077127105  000000127111 -016775127113
              7O**Y*  TXI   *Y***Y*        63**Z0        5V3*Z2  TXI   *Y**Z4  TXI   *Y**Z5  HTR   000*Z9        J***Z*
34600 -134530127114 -135710127052 -016775127054 -016775127055 -134530127064 -135710127065 -135710127066  000000034663
              $***Z*        $*.*Y-        J***Y*        J***Y*        $***YU        $*B*YV        $*B*YN  HTR   000331
34610  000001000064 -001611564253  000011452674  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001C0L        -*9**$  HTR   0**MFI  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
34620  000000000000  000000000000  000020000020  035130135703  063734135757  200000136033  040605136237  056067136367
       HTR   000000  HTR   000000  HTR   00*00*        3***3        6*3***  TIX   *0**  .        465*5*  LDQ * 5 5*TX
34630  054620130357  200000130433  063705130507 -074614130767 -106041131117 -035771131173 -075304131323 -106037131657
       LCHE  5***3*  TIX   *00*4.        6*5*57        P(**7X        6 J*3*        P0Z*9,        P$***C        Q ****
34640 -102610131733 -076737132007 -072714132063  000000127070  000000127073  146314127074  146314127076  146314127077
              JF8**.        P****7        PS***T  HTR   000*YY  HTR   000*YZ  TXI   *T**YI  TXI   *T**Y*  TXI   *T**Y*
34650  146314127103  146314127104  000000127107 -074103127110 -074103127111 -105052127112 -102516127114 -074103127051
       TXI   *T**Z3  TXI   *T**Z4  HTR   000*Z7        PJ3*Z8        PJ3*Z*        Q0-*Z*        QE**Z*        PJ3*YR
34660 -074103127053 -105052127054 -102516127056  000000034737  000001000065 -001100774371 -000004463126  020000000000
              PJ3*YS        QQ-*Y*        QE**Y*  HTR   000*3P*  HTR   000*0V        -90*LZ        -040*F  MPY   200000
34670  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  101304137213
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   8*6*R*
34700  074377132343  074764132417  105534132473  101400133027  076564133103  074704133233  102260133513 -000715133567
              7L**CL        7P**D*  TXI   B***E,  TXI   8***HG  LRS   7****3        7F4**.  TXI   8* ***        -2****
34710 -105222133717 -113610134123 -106747134327 -113120134457 -110074135013 -115425135067 -106713135217  000000127060
              Q-8***        R***JC        QXP*LG        RI***        NOI*J*        R*E*9X        GX**-*  HTR   000*Y
34720  000000127061  007105127064  154204127071  146760127072  141701127073  141701127074  141701127076 -104135127101
       HTR   000*Y7        0Z5*YU  TXI   **4*YZ  TXI   *X *Y*  TXI   **1*Y,  TXI   **1*YI  TXI   **1*Y*        QJ**Z1
34730 -077271127102 -077271127103 -075061127105 -110610127106 -077271127110 -077271127111 -070402127112  000000035013
       RUN   P*Z*Z2  RUN   P*Z*Z3        PQ/*Z5        R6**Z6  RUN   P*Z*Z8  RUN   P*Z*Z9        P42*Z*  HTR   000 3Q*
34740  000000000066 -000045544573 -000011245001  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001C0*        -3**N,        -09G*I  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
34750  000000000000  000000000000  000020000020  007211135273  107371135627  112043135757  074274136107  067211136237
       HTR   000000  HTR   000000  HTR   00*0C*        6*9*-,  TXI   9*Z**G  TXI   9*L***        7K(*/7        6*9*5*
34760  067524136313  116061136357  067616130433 -065144130637 -104147131043 -104131131323 -070055131377 -077230131527
              6*****  TXI   9 /*3*        6***4.        ORP 6*        QJP*6L        QJI**C        P0****  RUN   P*H**G
34770 -104347131657 -102475131733 -104235132267  000000127114  132166127051  133120127052  130370127053  126200127054
              Q-P***        GO***.        G***PX  HTR   000*Z*  TXI   *A**YR  TXI   *I**Y-  TXI   *3Y*YS  TXI   *SC*Y*
35000  120667127060  113011127062  000000127065 -102100127070 -102100127071 -101500127072  072276127074 -101500127100
       TXI   *6X*Y  TXI   9**9*YS  HTR   000*YV        QAJ*YY        **C**Z        Q*J*Y*        P8**YI        Q*0*Z0
35010 -074655127101 -077121127103 -102100127104  000000035067  000000000067  000166123475  000031525562  020000000000
              P0**Z1        PZA*Z3        GA0*Z4  HTR   000*GX  HTR   001C0X        01****  HTR   001-*S  MPY   200000
35020  020000000000  020000000000  020000000000  107724527400  105657612400  000000000000  000020000020  035057132023
       MPY   200000  MPY   200000  MPY   200000  TXI   8*C-10  TXI   8***/00  HTR   000000  HTR   00*00*        30**FC
35030  032313132677  177027132753  043412133027  044472133103  063474133157  166422133337  130133133363 -077276133437
              3C**F*  TXI   **G*G$        4I**HG  OFT * 4***I3  SXA   6I**J*  TXI   *08*.7  TXI   *I.*.T  R.N   P***J*
35040 -064020133513 -101032133567 -107417133643 -105122134177 -103331134327 -106261134403 -065050134457  000000127105
       SCHB  J-****        G****X        C****L        QRB*J*        ****LG        QS/*R3        C00*P*  HTR   000*Z5
35050  111677127110  112201127111  112145127112  110133127114  110207127051  110511127053  110455127054 -077437127057
       TXI   9***Z8  TXI   9R1*Z9  TXI   9A**Z*  TXI   91.*Z*  TXI   927*YR  TXI   95V*YS  TXI   94**Y*  AXC   P(**Y*
35060 -077437127060 -077045127061 -077113127062 -101634127063 -101567127064 -077437127065 -077437127066  000000035143
       AXC   P(**Y         PYN*Y/        PZ**YS        Q**I*YT        G*K*YU  AXC   P(**YV  AXC   P(**YW  HTR   0003RL
35070  000001000070 -001363436665  000021420704  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001CCY        -*TLWV  HTP   00AK74  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
35100  000000000000  000000000000  000020000020  075407134607  075602134653  105420134737  105154135143  077105135273
       HTR   000000  HTR   000000  HTR   00*00*  PXA   7*7*07  PCA   7*2*0T  TXI   8****>*  TXI   RK**RL  ARS   7Z5**-,
35110  073422135423  105154135627  072064135703 -072422135757 -071653136107 -104152136163 -103647136313 -115310130433
       PAX   7)B**C  TXI   8R***G        7*U**3        P****        P*$*/7        GJ-*/T        Q*P*I*        RSB*4.
35120 -072522130507 -074230130767 -077160131117  135527127067  033743127071  040304127077  046273127100  141441127101
              PEB*57        r* *7X        PZ *9*  TXI   **G*YX        3*L*YZ        434*Y*        45,*Z0  TXI   **J*Z1
35130  142071127103  133447127104  040304127105 -146362127106 -057127127110 -057127127111 -065547127112 -160714127113
       TXI   **Z*Z3  TXI   *)?*Z4        434*Z5        *TS*Z6        NZG*Z8        NZG*Z9        0*P*Z*        *7**Z*
35140 -057127127053 -065547127054 -057554127057  000000035217  000001000071 -001455177714  000000771755  020000000000
              NZG*YS        O*P*Y*        ****Y*  HTR   0003-*  HTR   00100Z        -*****  HTR   000***  MPY   200000
35150  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  002303131173
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*        0C3*9,
35160  002303131247  002303131377  125034131527  172623131657  200000131733  200000132063  051006132213 -107223132267
              0C3**P        0C3***  TXI   *Q)**G  TXI   *FC***  TIX   *00**.  TIX   *00**T        586*B*        Q*C*RX
35170 -131076132417 -130756132473 -000000132547 -111712132623 -131076132677 -014732133027 -126534133103  146314127061
              $8**D*        $7**D,        -00*EP        R***FC        $R**F*        JP**HG        -V)*I3  TXI   *T**Y/
35200  146314127062  000000127066  146314127067  146314127070  000000127072  000000127074  146314127103 -000000127104
       TXI   *T**YS  HTR   000*YW  TXI   *T**YX  TXI   *T**YY  HTR   000*Y*  HTR   000*YI  TXI   *T**Z3        -00*Z4
35210 -134372127105 -134372127107 -000000127111 -134372127113 -134372127114 -134372127051 -061433127052  000000035273
              $L**Z5        $L**Z7        -00*Z9        $L**Z*        $L**Z*        $L**YR        0*.*Y-  HTR   0003-,
35220  000001000072 -000747230573  000020214040  020000000000  020000000000  020000000000  020000000000  000000000000
       HTP   00100*        -7PC5,  HTR   00*A--  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
35230  000000000000  000000000000  000020000020  065473133363  172537133437  071766133567  074570133717  065347133773
       HTR   000000  HTR   000000  HTR   00*00*        6*,*.T  TXI   *E**I*        7*W**X        7NY***        6$P**,
35240  066542134047  067324134123  065327134177 -104203134253 -104056134403 -103607134457 -056314134533 -103561134607
              6VK*-P        6,D*JC        6$G*J*        QK3*K$        Q-***3        Q*7*M*        VT**N.        Q*/*G7
35250 -104117134663 -103172134737 -072300135347  200000127054  004340127056  200000127061  031455127065  103745127066
              QJ**DT        QI**P*        PCO*$P  TIX   *00*Y*  DAI   0L-*Y*  TIX   *00*Y/        3***YV  TXI   8*N*YW
35260  031455127072  004340127073  200000127076 -104733127077 -115622127100 -106310127102 -000000127104 -104733127105
              3***Y*  DAI   0L-*Y,  TIX   *00*Y*        QP.*Y*        R*B*Z0        QT8*Z2        -00*Z4        QP.*Z5
35270 -115622127107 -106310127110 -115622127114  000000035347  000001000073 -001112352001 -000003375132  020000000000
              R*B*Z7        QT8*Z8        R*B*Z*  HTR   0003$P  HTR   00100,        -9***I        -03*R*  MPY   200000
35300  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  103176135553
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   8I***$
35310  071155135703  077054136033  074157136237  076466136367  104437130303  077557130357  105270130563 -075000130713
              79***3  WEF   7Y** .        ***5*  BSK   7UW*TX  TXI   HM**33        7***3*  TXI   8-Y*5T        P00*7*
35320 -075333130767 -077000131173 -100554131247 -106642131377 -077015131453 -103006131527 -075000132137  100140127052
              P$.*7X        PYC*9,        J5***P        QWK***        PY***6        QH6**G        P00*A*  TXI   8I-*Y-
35330  065377127054  123430127066  110666127070  055056127071  067615127072  110666127076  100140127102 -134664127105
              6$**Y*  TXI   *IH*YW  TXI   96W*YY        5O**YZ        6***Y*  TXI   96N*Y*  TXI   81-*/2        $0U*Z5
```

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35340 -066303127110 -066303127111 -101050127112 -066303127051 - 2,120127056 -066303127057 -066303127061  000000035423
             OT3*Z8         OT3*Z9         CRG*Z*         OT3*YR         -A**Y*         OT3*Y*         OT3*Y/   HTR   0003*C
35350  000001000074 -001247632311 -000013750043  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001001        -(PTC9        -0*EOL  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
35360  000000000000  000000000000  000020000020  072653132213  073074132473  200000132547  062046132677  062176133157
       HTR   000000  HTR   000000  HTR   00+00+         7F$=R*         7H(=D,  TIX   +00=EP         6+D=F*  STA * 5A*=I*
35370  062065133233  101763133307  061513133363 -023165131431 -113570133513 -070521133717 -113647133773 -113704134047
             6+V=+.  TXI   B*I=.7         6*==.T         KIV=)*         R*Y=**         PSA=**         R*P=*,         R*4=-P
35400 -112452134123 -072471134533 -113362134607  000000127070  111163127066  116246127067  112361127070  105153127072
             RD-*JC         PDZ=N.         R.S=U7  HTR   000*YI  TXI   99T*YW  TXI   9SO*YX  TXI   9C/*YY  TXI   9RS*Y=
35410  103332127073  114515127075  110541127074 -000000127100 -113253127101 -113220127105 -113253127106 -113253127107
       TXI   8.+*Y,  TXI   9N=*Y*  TXI   95J*Y*         -00*Z0         R+$*Z1         R++*Z5         R+$*Z6         R+$(Z7
35420 -101502127111 -105632127112 -113270127113  000000035477  000001000075 -000355632002  000015532154  020000000000
             D*2*Z9         Q=**Z*         R+**Z=  HTR   0003**  HTR   00100*         -3*T*2  HTR   00*$A*  MPY   200000
35430  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  177144134737
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00+  TXI   *ZM=P*
35440  062730135013  057577135067  073155135143  066606135217  073411135347  064777135477  073507135553 -115143136033
             6GH=Q*         5***QX         7I*=RL         6M**-*  PAX   7I9=$P         6P****         7*7=*$         RRL= .
35450 -104355136163 -115204130433 -054153130637 -060143130767 -111225131377 -101676131527 -071410131603  104420127051
             QL**/T         R-4=4.  RCHD  NJ$=6*         CIL=7X         R*E***         Q***=G         P'8=*3  TXI   8M+*YR
35460  100521127052  100521127054  132365127056  104420127057  100521127061  132365127064  000000127065 -104016127067
       T.I   85A*Y-  TXI   85A*Y*  TXI   =CV*Y*  TXI   8M+*Y*  TXI   85A*Y/  TXI   =CV*YU  HTR   000*YV         Q-**YX
35470 -103226127070 -050205127072 -104016127075 -104016127102 -104016127103 -100232127107 -104016127110  000000035553
             Q+F*YY         N25*Y=         Q-**Y*         Q-**Z2         Q-**Z3         Q2+*Z7         Q-**Z8  HTR   0003*$
35500  000001000076  000166124474  000020171674  020000000000  020000000000  020000000000  020000000000  103147174000
       HTR   00100*         O1W*M(  HTR   00+**(  MPY   200000  MPY   200000  MPY   200000  MPY   200000  TXI   8IP*-O
35510  102654355000  000000000000  000020000020  067625132137  065403132267  063217132417  067625132547  064502132677
       TXI   BF**Q0  HTR   000000  HTR   00+00+         6*E=A*         6*3=BX         6+*=D*         6*E=EP         6N2=F*
35520  200000132753  067625133027  073154133103 -112657133233 -000000133307 -113537133567 -116755133643 -057361133773
       TIX   +00=G$         6*E=HG         7I*=I3         RF**+.         -00=.7         R***=X         RX*=*L         N,/=*,
35530 -114010134123 -117062134177 -117727134327  111505127112  110246127114  110440127051  111702127052  111505127053
             R-B=JC         RYS=J*         R*G=LG  TXI   9*5*Z*  TXI   920*Z'  TXI   94-*YR  TXI   9*2*Y-  TXI   9*5*YS
35540  111505127054  110246127056  000000127057 -077327127062 -101042127064 -103607127065 -077327127067 -077327127071
       TXI   9*5*Y*  TXI   920*Y*  HTR   000*Y*  RQL   P,G*/S         Q8K*YU         Q67*YV  RQL   P,G*YX  RQL   P,G*YZ
35550 -077327127075 -077327127077 -101042127100  000000035627  000001000077 -000000634502  000076654036  020000000000
       RQL   P,G*Y*  RQL   P,G*Y*         Q8K*Z0  HTR   0003*G  HTR   00100*         -00TN2  HTR * 00*V-*  MPY   200000
35560  020000000000  020000000000  020000000000  037007556000  035204064400  000000000000  000020000020  005435134403
       MPY   200000  MPY   200000  MPY   200000         3Y7* 0         3-46M0  HTR   000000  HTR   00+00+  RFT   0***M3
35570  174163135013  156715135143  004576135217  005450135273  177026135703  010252135757  175472136033 -123312136163
       TXI   *JT=Q=  TXI   *X**RL         ON**-*  RFT   O*Q*-,  TXI   *YF=*3         12-***  TXI   ****  .         -.**/T
35600 -123312136237 -122707136367 -000503130357 -120557130507 -110640130637 -032706130767 -121214131117  017564127101
             -.**S*         -G7=TX         -53=3*         -5*=57         R6-=6*         LG6=7X         -**=9*         1*U*Z1
35610  077137127103  020437127105  155545127110  124712127112  126066127113  126066127114  061562127052 -110716127062
       ARS   7Z**Z3  VLM   24**Z5  TXI   **N*Z8  TXI   *P**Z*  TXI   * W*Z=  TXI   * W*Z'         6*S*Y-         R7**YS
35620 -107664127063 -107664127064 -110716127070 -110716127073 -110716127076 -107654127077 -004654127101  000000035703
             Q*U*YT         Q=U*YU         R7**YY         R7**Y,         R7**Y*         Q=U*Y*  PIA   -0**Z1  HTR   0003*3
35630  000001000100 -000126474171  000020676122  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001010         -IFPJZ  HTR   00+S/B  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
35640  000000000000  000000000000  000020000020  066544131377  057161131453  052354131603  052354131657  200000131733
       HTR   000000  HTR   000000  HTR   00+00+         6VM***         5Z/='$         5C**=3         5C****  TIX   +00**.
35650  054127132007  074162132063  134617132343 -121514132417 -131173132547 -131173132623 -124331132753 -000000133027
       RCHC  5JG=+7         7J-=+T  TXI   *D**CL         -*'*D*         $9,=EP         $9,=FC         -LI=G$         -00=HG
35660 -125047133103 -122274133233 -000000133307  146314127102  000000127106  146314127110  146314127111  000000127112
             -QP*I3         -BI=+.         -00=.7  TXI   'T'*Z2  HTR   000*Z6  TXI   'T'*Z8  TXI   'T'*Z9  HTR   000*Z*
35670  000000127113  146314127052  146314127060 -125014127065 -000000127067 -125372127071 -125372127072 -125014127073
       HTR   000*Z*  TXI   'T'*Y-  TXI   'T'*Y         -Q'*YV         -00*YX         -$=*YZ         -$=*Y=         -Q'*Y,
35700 -000000127075 -125372127076 -125372127100  000000035757  000001000101  000162500502  000121535256  020000000000
             -00*Y*         -$=*Y*         -$=*Z0  HTR   0003**  HTR   001011         01SQ52         01A$-*  MPY   200000
35710  020000000000  020000000000  020000000000  142116770000  140440601000  000000000000  000020000020  000000133643
       MPY   200000  MPY   200000  MPY   200000  TXI   'A**00  TXI   '4- 80  HTR   000000  HTR   00+00+  HTR   000=*L
35720  200000134047  043710134253  200000135013  062230135217  000000135273  051637135347  200000135477 -007073135553
       TIX   +00=-P         4*8=K$  TIX   +00=Q=  STD   6BH=-*  HTR   000=-,         5***$P  TIX   +00=**         -Y,=*$
35730 -000000135703 -123235136237 -141265136367 -136652130303 -040176130357 -146261130433 -136631130507  000000127102
             -00=*3         -+*=S*         **V=TX         $W-=33         MI*=3*         *S/=4.         $WI=57  HTR   000*Z2
35740  000000127105  124422127107  124422127112  131057127114  123115127052  124422127054  126113127056 -101364127060
       HTR   000*Z5  TXI   *MB*Z7  TXI   *MB*Z*  TXI   =B**Z'  TXI   *I**Y-  TXI   *MB*Y*  TXI   */=*Y*         Q=U*Y
35750 -073474127062 -073376127064 -101364127065 -101364127066 -076376127072 -101364127073 -101364127074  000000036033
       PDX   PI(*YS  LGL   PT**YU         Q=U*YV         Q=U*YW  LGL   PT**Y=         Q=U*Y,         Q=U*Y(  HTR   0003 .
35760  000001000102 -000454017643 -000026165322  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001012         -4*1*L         -0F*$8  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
35770  000000000000  202166051000  000020000020  177746130563  200000130637  200000130767  000000131323  000000131377
       HTR   000000  TIX   +A=580  HTR   00+00+  TXI   **D=5T  TIX   +00=6*  TIX   +00=7X  HTR   000**C  HTR   000***
36000  200000131453  000000131657  000000131733 -101276132007 -106640132137 -106027132213 -107166132343 -105756132417
       TIX   +00='$  HTR   000***  HTR   000=*.         Q***+7         QW-=A*         Q G=B=         QZW=CL         Q***D*
36010 -107652132753 -025622133157 -106751133567  000000127077  175334127101  103665127102  175334127106  000000127111
             Q*-*G$         K*B=I*         QXR=*X  HTR   000*Y*  TXI   *$)*Z1  TXI   8*V*Z2  TXI   *$)*Z6  HTR   000*Z9
36020  000000127112  175334127051  103665127052 -143413127053 -000000127056 -000000127057 -143413127061 -143413127062
       HTR   000*Z*  TXI   *$)*YR  TXI   8*V*Y-         *)=*YS         -00*Y*         -00*Y*         *)=*Y/         *)=*YS
36030 -022124127066 -143413127067 -137574127071  000000036107  000001000103 -001032450072  000021212267  020000000000
             KAD*YW         *)=*YX         $*(*YZ  HTR   0003/7  HTR   001013         -8+NO=  HTR   00AABX  MPY   200000
36040  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  021464133643
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00+         2'U=*L
36050  000504133717  011374133773  115263134047  200000134123  200000134177  026644134253  200000134533 -107512134737
             054=**         1=(**,  TXI   9-T=-P  TIX   +00=JC  TIX   +00=J*         2WM=K$  TIX   +00=N.         Q**=P*
36060 -115035135067 -111504135273 -107254135347 -000000135553 -103540135757 -112445136367 -114042130303  002103127073
             RG*=QX         R*4=-,         Q***$P         -00=*$         Q*-***         RDN=TX         R K=33  TTR   0A3*Y,
36070  130715127102  130715127103  130715127104  137543127105  137436127106  025663127107  036040127114 -101520127052
       TXI   =7**Z2  TXI   = **Z3  TXI   =7**Z4  TXI   **L*Z5  TXI   =(**Z6         2*T*Z7         3 -*Z'         Q***Y-
36100 -101520127053 -101321127054 -101520127060 -101520127061 -072706127063 -073120127064 -101730127065  000000036163
             Q***YS         Q=A*Y*         Q***Y         Q***Y/         PG6*YT         PI+*YU         Q*H*YV  HTR   0003/T
36110  000001000104 -001062160174  000005714411  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001014         -8S*1(  HTR   005ZM9  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
36120  000000000000  000000000000  000020000020  077716130507  106543130563  100275131043  076656131117  076430131173
       HTR   000000  HTR   000000  HTR   00+00+         7***57  TXI   AVL=5T  TXI   82**8L  WRS   7W*=9*  BSR   7UH=9,
36130  076663131247  076464131323  076177131453 -076512131657 -077727132267 -077227132417 -101306132547 -100023132623
       WRS   7WT=*P  BSR   7UU**C  NOP   7/**'$  LGR   PV****         P*G=BX  RUN   P=G=D*         Q=6=EP  STR   Q0C=FC
36140 -100567132753 -076433133103 -101367133233  200000127066  000000127072  000000127076  200000127103  000000127105
             Q5X=G$  BSF   PU.=I3         Q=X=+.  TIX   +00*YW  HTR   000*Y=  HTR   000*Y*  TIX   +00*Z3  HTR   000*Z5
36150  000000127107  200000127110  200000127111 -127427127112 -123403127113 -126760127051 -000000127052 -123403127055
       HTR   000*Z7  TIX   +00*Z8  TIX   +00*Z9         -((*Z*         -)3*Z=         -X *YR         -00*Y-         -)3*Y*
```

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36160 -127732127056 -127427127062 -000000127067  000C00036237  000C01000105 -001406240562 -000021127136  020000000(00
               -G**Y*        .(G*YS        -0G*YX  HTR   0003S*  HTR   001015         -*605S        -0A*Z*  MPY   200000
36170  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  052737134047
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00*        5G*=-P
36200  200000134123  026261134253  023136134403  177133134533  C43774134663  116304134737  071767135143 -124623135217
       TIX   *00=JC        2S/=K$        2)*=M3  .XI   *Z.=N.        4*(=3?  TXI   9T4*P*        7*X=RL        -0C=-*
36210 -124116135423 -130526135703 -000045136033 -000C00136353 -124351136237 -127571136313 -122147136367  010474127071
              -J*=*C        $5F=-3        -ON= .        -00=/T        -LR=S*        -*A*T=        -AP=TX        14(*YZ
36220  010474127072  137670127C74  147457127077  137670127101  137670127102  147457127105  000000127107 -104232127111
              14(*Y=  TX(   =*Y*Y(  TXI   *(*#Y*  TXI   =*Y*Z1  TXI   =*Y*Z2  TXI   *(*#25  HTR   000*Z/        QK**Z9
36230 -070560127114 -103313127051 -077103127052 -104232127053 -070560127055 -077103127060 -104232127061  000000036313
              PS #Z*        Q.=*YR        PZ3*Y-        QK**Y$        PS *Y*        PZ3*Y        QK**Y/  HTR   0003T=
36240  000001000106 -001341215346 -000025057433  020000C00000  020000000000  020000000000  020000000000  000000000000
       HTR   001016        -*JA$0        -0E5(.  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
36250  000000000000  000000000000  000020000020  057062130357  060432130507  051317130563  200000131C43  052302131173
       HTR   000000  HTR   000000  HTR   00+00*        5Y,=3*  STI   54*=57        5.**5T  TIX   *00=8L        5C2=9.
36260  054366131453  157470131527  056363132267 -146613132243 -135231132417 -000573132753 -146275133027 -143773133157
       RCHG* 5LW=*$  TXI   *(Y=*G        5T(=BX        *(==CL        $-I-D*        -5,=G$        *5*=HG        **,=]*
36270 -147051133307 -000000133363 -011577133437  162654127062  142750127063  000000127066  051631127067  162654127076
              *YR=.7        -C0=.T        J**=)*  TXI   *F**YS  TXI   *GQ*YT  HTR   000*YW        5*:*YX  TXI   *F**Y*
36300  143613127077  000000127101  051631127103 -002706127104 -000000127105 -114357127106 -131012127107 -131012127110
       TXI   **=?Y=  HTR   000*Z1        5*1*Z3  TRCH* -GW*Z4        -00*Z5        RL**Z6        $8**Z7        $8**Z8
36310 -131012127052 -114357127056 -131012127057  000000036367  000001000107 -001451662175 -000015001370  020000000000
              $8**Y-        RL**Y*        $8**Y*  HTR   0003TX  HTR   001017        -*RWA*        -0*0=*  MPY   200000
36320  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  104725133513
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00*  TXI   8PE=*=
36330  104044133567  176756133643  100063133717  101174134253  102577134327  066736134403  075012134457 -072451134533
       TXI   8-M=*X  ALS   7X*=*L  TXI   80T<**  TXI   89(=K$  TXI   8E*=LG        6X*=M3        70*=M*        PDR=N.
36340 -104674134607 -076053134737 -074424135217 -105404135423 -076202135477 -073351135627 -103553136033  116036127061
              00(=07  MSE   P $=P*        PMD=-*        0*4**C        PS2=**  LGL   PTR=*G        Q*$= .  TXI   9 **Y/
36350  045725127064  044717127071  047722127072  122776127073  117771127076  120776127101  113165127102 -137710127106
              4*E*YU        4P=*YZ        4=B*Y=  TXI   *G=*Y,  TXI   9*Z*Y*  TXI   *7**Z1  TXI   91V*Z2        $*8*Z6
36360 -061771127107 -067600127110 -064773127112 -137710127114 -061771127051 -067600127052 -067600127053  000000036443
              D*Z*Z7        0*0*Z8        0P,*Z*        $*8*Z*        L*Z*YR        0*0*Y-        0*0*Y$  HTR   0003UL
36370  000001000110 -000602636427 -000013620073  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001018        -62TUG        -0=S0,  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
36400  000000000000  000000000000  000020000020  100234136107  100573136237  113372130303  076030130507  067372130637
       HTR   000000  HTR   000000  HTR   00+00*  TXI   82)=/7  TXI   8%,=S*  TXI   9.==33  PSE   7 H=57        5,==6*
36410  065337131377  112714132007  075457132063 -003020132267 -124716132343 -127520132417 -175570132547 -121035133027
              6$*==*  TXI   9G*=+7  PXA   7**=+T  TEFB  -H+=BX        -P*=CL        -***D*        -*Y=EP        -8*=HG
36420 -123371133363 -125620133437 -000262133643  006763127055  113357127057  111152127061  110675127063  113105127064
              -.Z=.T        -**=)*        -2S=*L  TCOH* 0XT*Y*  TXI   9.**Y*  TXI   99-*Y/  TXI   96**YT  TXI   915*YU
36430  106752127065  104542127066  104542127067 -003126127070 -003651127071 -122645127073 -124175127100 -122645127101
       TXI   8X-*YV  TXI   8NK*YW  TXI   8NK*YX  TEFD  -IF*YY        -*R*YZ        -FN*Y,        -J**Z0        -FN*Z1
36440 -125022127102 -125022127103 -125022127104 -000000036655  000002000001 -000706237414 -000000000000  002000000000
              -0B*Z2        -0B*Z3        -0B*Z4        -003W*  HTR   002001        -76C(*        -00000  TRA   0+0000
36450  002000000000  174000000000  174000000000  206650756400  000000000000  000000000000  000174000002 -100000136655
       TRA   0+0000  TXI   *-0000  TXI   *-0000  TIX   *WQ=UC  HTR   000000  HTR   000000        01(002  TXI   80G=W*
36460 -100000136655  014165130433  200000130637  200000130767  000000131323  200000131377  200000131527  200000131603
       STR   000=W*        1JV=4.  TIX   +00=6*  TIX   +00=7X  HTR   000==C  TIX   +00==*  TIX   +00=*G  TIX   +00=*3
36470  173004131733  000000132213  013571132267  173004132547  200000132677  173004133027  200000133157  173004133233
       TXI   *H4=*.  HTR   000=B=        1*Z=BX  TXI   *H4=EP  TIX   +00=F*  TXI   *H4=HG  TIX   +00=1*  TXI   *H4=*.
36500  173004133307  200000133363  000000133513  200000133717  000504134123  000000134253  000000134327  000000134607
       TXI   *H4=.7  TIX   +00=.T  HTR   000=**  TIX   +00=**        054=JC  HTR   000=K$  HTR   000=LG  HTR   000=07
36510  000000135067  173004135217  000000135347  200000135423  177454135703  014353136033  173004136107  000000136313
       HTR   000=QX  TXI   *H4=-*  HTR   000=$P  TIX   +00=*C  TXI   *(*=*3        1L$= .  TXI   *H4=/7  HTR   000=T=
36520  173004130563  200000131043  000000131173  000000131453  173004132063  173004132137  000000132343  000000132417
       TXI   *H4=5T  TIX   +00=8L  HTR   000=9,  HTR   000=*$  TXI   *H4=+T  TXI   *H4=A*  HTR   000=CL  HTR   000=D*
36530  173004132473  173004133437  000000133567  000000133773  002270134403  020371134457  173004134533  000000134737
       TXI   *H4=D,  TXI   *H4=)*  HTR   000=*X  HTR   000=*,  TRCA* 0BY=M3        232=M*  TXI   *H4=N.  HTR   000=P*
36540  173004135553  173004135627  006036136367  200000131117  173004132753  006612134177  000531134663  000000135013
       TXI   *H4=*$  TXI   *H4=*G  TCOA  0 *=TX  TIX   +00=9*  TXI   *H4=G$  TCOG  0W*=J*        051=0T  HTR   000=Q*
36550  173004135143  000000135477  173004130303  022603130357  000000130507  000000130713  002054131657 -023660131733
       TXI   *H4=RL  HTR   000=**  TXI   *H4=33        2F3=3*  HTR   000=57  HTR   000=7=  TRA   0+****        K* =*.
36560 -076267132007 -153535132213 -154744132343 -011762132547 -121321132623 -102530132677 -020324132753 -023660133027
              PSX=+7        ****B=        *PM=CL        J*S=EP        -*A=FC        QEH=F*        K3D=G$        K* =HG
36570 -160603133103 -016415133437 -167567133567 -142176134047 -134475134123 -113565134177 -155545134327 -056644134457
              *63=13        JU*=)*        **X=*X        *A*=-P        $M*=JC        R*V=J*        **N=LG        NHM=M*
36600 -011762134533 -157363134737 -160170135013 -154667135067 -016415135217 -167057135347 -070706135423 -162415135477
              J*S=N.        *,T=P*        *1Y=Q=        *0X=QX        JU*=-*        *Y*=3P        P76=*C        *D*=**
36610 -073660135627 -072242136033 -140727130303 -041331130357 -000000130637 -000000130767 -003707131043 -157325131173
              K* =*G        PBK= .        *7G=33        M=1=3*        -0C:6*        -00=7X        -*2=8(        *,E=9,
36620 -151414131247 -115372131377 -132033131657 -016415132063 -151375132417 -034422133157 -141175133773 -153757134253
              ****$P        ($*=**        $+.=**        JU*=+T        *=*=D*        LMB=I*        *9*=*,        ***=K$
36630 -132525134403 -160125134607  016415135143  134044135703 -023660136107 -100433136163 -003702136237 -153346136313
              $EE=M3        *1E=07        JU*=RL        $-M=*3        K* =/7        Q4.=/T        -*2=S*        *.D=T=
36640 -030601130563 -161646130713 -155664131323 -105272131527 -003702131603 -016415132137 -030601132473 -030601133233
       USM   L61=5T        **0=7=        **U=*C        G-==*G        -*2=*3        JU*=A*  USM   L61=D,  USM   L61=+.
36650 -023660133307 -003702133363 -154417133643 -155413135273 -111674135553  000000037067  000002000002  000377777777
              K* =.7        -*2*.T        *M*=*L        ***=-,        R*(=*$  HTR   0003YX  HTR   002002        03****
36660 -000000000000  002000000000  002000000000  174000000000  174000000000  000000000000  177777777400  177777777400
              -00000  TRA   0+0000  TRA   0+0000  TXI   *-0000  TXI   *-0000  HTR   000000  TXI   ****(0  TXI   ****(0
36670  000174000002  100000136443 -100000136443  000000135627  000000135757  160612136163  000000136313  011707136367
              01(002  TXI   800=UL  STR   000=UL  HTR   000=*G  HTR   000=**  TXI   *6*=/T  HTR   000=T*        1*7=TX
36700  000000130637  012655130767  000000131043  041127131377  151564131527  123172132213  143752132343  171014132417
       HTR   000=6*        1F*=7X  HTR   000=8L        49*==*  TXI   **U=*G  TXI   $I==B=  TXI   **-=CL  TXI   *8*=D*
36710  000000132547  132750132677  150102133027  000000133233  000530133307  165611133567  115026133717  145734133773
       HTR   000=EP  TXI   =GQ=F*  TXI   *12=HG  HTR   000=*.        05H=.7  TXI   **9=*Y  TXI   90F=**  TXI   **)=*,
36720  152270134047  165734134123  157172134327  000000134403  167352134533  167352134607  070555134663  150102134737
       TXI   *BY=-P  TXI   **)=JC  TXI   *Z=*LG  HTR   000=M3  TXI   *,-=N.  TXI   *,-=D7        75**DT  TXI   *12=P*
36730  175710135013  175710135703  171014136033  000000130563  175710131247  167352131453  155001131657  117700132007
       TXI   **8=Q=  TXI   **8=*3  TXI   *8*= .  HTR   000=5T  TXI   **8=*P  TXI   *,-=*$  TXI   *01=**  TXI   9*0=+7
36740  000000132137  127020132267  000000132473  175710132753  012121133363  000000133437  171014133513  155341133643
       HTR   000=A*  TXI   *Y+=BX  HTR   000=D,  TXI   **8=G$        1AA=.1  HTR   000=)*  TXI   *8*=**  TXI   *TJ=*L
36750  171014134457  000000135067  000000135143  000000135273  134213135423  000000136107  000000136237  165611130507
       TXI   *8*=M*  HTR   000=QX  HTR   000=RL  HTR   000=-,  TXI   =K*=*C  HTR   000=/7  HTR   000=S*  TXI   **9=57
36760  000000131603  000000132063  146321132623  000000133103  171014133157  160313134177  157172134253  000000135217
       HTR   000=*3  HTR   000=+T  TXI   *LA=FC  HTR   000=13  TXI   *8*=1*  TXI   *3*=J*  TXI   *Z*=K$  HTR   000-=-
36770  175710135477 -176711135627 -176711135757 -176711136107 -017512136163 -176711136237 -163637136367 -176711130563
       TXI   **8=**        *X9=*G        *X9=**        *X9=/7        J**=/T        *X9=S*        ***=TX        *X9=5T
37000 -025542130713 -000000131247 -176711131323 -135012131377 -012063131453 -024527131527 -176711131603 -042421132213
              K*K=7*        -00=*P        *X9=*C        $Q*=**  TMI * J*T=*$        KNG=*G        *X9=*3        MDA=B=
```

```
37010 -004717132417 -000000147751 -176711133103 -174410133307 -176711133437 -012634133567 -057631133717 -027645133773
            -P**D*        -00*G$        *X9*1?        *M *,?        *X9*1*        JF1**X        N*I***        K*N**,
37020 -013450134123 -020004134177 -017240134253 -017240134327 -004717134457 -012063134533 -107055134663 -176711135143
      J1Q*JC  MPR   F04*J*        J*-*K$        J*-*,G        -P**M*  IMI * J*I*N.        3Y**0T        *X9*RL
37030 -176711135273 -041162135423 -000000135553 -176711134311 -176711130301 -001226130357 -012634130507 -162762130767
            *X9*-,        M*S**C        -00**$        *X9*1*        *I9*33        -*F*3*        JF1*57        *GS*7X
37040 -176711131043 -023254131657 -054367132007 -176711132137 -050521132267 -176711132473 -004717133157 -176711133233
            *X9*8L        X*****  RCHM* NLX**7        *X9*A*        NSA**X        *X9*D,        -P**I*        *X9**.
37050 -162751133363 -004717133513 -020055133643 -000000135013 -176711135067 -000000135477 -030171131117 -176711131733
            *GR*,1        -P****  MPR   KO***L        -00*.*        *X9*3K        -00***  DUFA* LIZ*9*        *X9**.
37060 -176711132053 -032042132363 -176711132547 -025542133027 -175365134403 -025542134737 -012634135347 -000000000000
            *X9**1  ANA   L*K*CL        *X9*FP        K*K*HG        *$V*M$        K*K*P*        JF1*$P        -00000
                          WORDS 37070  TO  37367  ALL CONTAIN -000000000000
                                                              -00000
37370 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000  254524452563
            -00000        -00000        -00000        -00000        -00000        -00000        -00000  TIX   ENDNET
                          WORDS 37400  TO  37677  ALL CONTAIN  254524452563
                                                          TIX   ENDNET
37700  254524452563  254524452563  254524452563  254524452563  254524452563  254524452563  254524452563 -100000000000
      TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  STR   000000
                          WORDS 37710  TO  37777  ALL CONTAIN -100000000000
                                                          STR   000000
40000 -100000004521  002100004522 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000
      STR   00003A  TTR   0A00*B  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000
                          WORDS 40010  TO  72457  ALL CONTAIN -100000000000
                                                          STR   000000
72460  100000072466  077400100000  077400400000  044100072465  002000400001  000000000000  060400072465  063400402652
      LAI   8037D*  AXT   7(0A00  AXT   7(0-00  LDI   4J07DV  TRA   0*0-01  HTR   000000  STI   6407DV  SXA   6(0-F-
72470  063400472476  063400472462  063400172461  002000072461  000000000000  000000000000  000000000000  254524447002
      SXA   6(0PD*  SXA   6(0PDS  SXA   6(0*D/  TRA   0*07D/  HTR   000000  HTR   000000  HTR   000000  TIX   DUMMY2
72500  002000073746 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000
      TRA   0*07*U  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000
                          WORDS 72510  TO  72537  ALL CONTAIN -100000000000
                                                          STR   000000
72540 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000  000000000001
      STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  HTR   000001
72550  000000000000  000000000000  000000000001  000000000000  000000000005  000000030303  000000000006  000000000003
      HTR   000000  HTR   000000  HTR   000001  HTR   000000  HTR   000005  HTR   000333  HTR   000006  HTR   000003
72560  000000000004  000000000012  000000000067  000000000000  000000000000 -342611331173  261133117326  113306732611
      HTR   000004  HTR   00000*  HTR   00000X  HTR   000000  HTR   000000  TXL   (F9.9,  TIX   F9.9,F  TXI   9.6,F9
72570  330734606060 -341001306063  302560452563 -264651426047  215121442563  255162606625 -112560456463 -202330214527
      TXH   .7)     TXL   (81H T  TXH   HE NET  TNX   WORK P  TIX   ARAMET  TIX   ERS WE        RE NOT  TNX   CHANG
72600  252433602330  252342605125 -226321516360 -044624256046 -116051256263  215163742134 -202321512433 -203460606060
      TIX   ED. CH  TIX   ECK RE  TNX   START         MODE U        R REST  TIX   ART(A)  TNX   CARD.   TNX   )
72610 -340130017304  056773021130 -202330214527  256031456045  256366465142 -204721512144  256325516261  013000730501
      TXL   (1H1,4        6X,29H  TNX   CHANG   TIX   E IN N  TIX   ETWORK  TNX   PARAM   TIX   ETERS/        1H0,51
72620 -277303304525 -267301016773  033046432461  013000730400 -277302302463 -330100677326  113311730467 -332611331161
      TNX   X,3HNE  TNX   W,11X,        3HOLD/        1H0,40  TNX   X,2HOT  TXL   ,10X,F  TXI   9.9,4X  TXL   ,F9.9/
72630  040067730530  254762434573  076773261133  117305677326  113311616060  040067730530 -046263254773  046773261133
      ADD * 40X,5H  TIX   EPSLN,  ALS   7X,F9.  TXI   9,5X,F  TXI   9.9/    ADD * 40X,5H        MSTEP,        4X,F9.
72640  067305677326  113306610400 -277304302762  213373066773  261133077305 -277326113307  346060606060 -347106730226
            6,5X,F  TXI   9.6/40  TNX   X,4HGS  TIX   AT,6X,  TIX   F9.7,5  TNX   X,F9.7  TXH   )       TXL   (A6,2F
72650  113307730426  113311732611  330534606060 -340467732106 -210167730430 -044462137326  113307730267 -330430444431
      TXI   9.7,4F  TXI   9.9,F9  TXH   .5)     TXL   (4X,A6  TNX   /1X,4H        MPS=,F  TXI   9.7,2X  TXL   ,4HMMI
72660  137326113307 -330267730630  262647436213 -332611331173 -200730262644  314562137326  113311730267 -330630262647
      TXI   =,F9.7  TXL   ,2X,6H  TIX   FFPLS=  TXL   ,F9.9,  TNX   7HFFM   TXH   INS=,F  TXI   9.9,2X  TXL   ,6HFFP
72670 -033113732611  331173026773  073026764431 -053113732611  331173026773  063025256264 -041373261133  056101300034
            LI=,F9  TXH   .9,2X,        7HFFMI        NI=,F9  TXH   .9,2X,  STP   6HEESU        M=,F9.        5/1H0)
72700 -340431037304  260433032460 -341004306027 -262531273063 -226021512560  314523464562  316263254563 -202646516051
      TXL   (413,4  TIX   F4.31   TXL   (84H G  TNX   WEIGHT  TNX   S ARE   TXH   INCONS  TXH   ISTENT  TNX   FOR R
72710  256263215163  336023302523 -026051256263  215163742334 -202321512462 -204651607421  346023215124 -202646516027
      TIX   ESTART  TXH   . CHEC  UFM   K REST  TIX   ART(C)  TNX   CARDS   TNX   OR (A   TXH   ) CARD  TNX   FOR G
72720 -222163333460 -340411306031 -052346515125  236360512562 -232151636044 -062425604651 -202221246051  256263215163
      TNX   SAT.)   TXL   (49H I        NCORRE  TIX   CT RES  TNX   TARI M        ODE OR  TNX   BAD R   TIX   ESTART
72730 -342334602321 -112462336034  077400400002  075400400000  053500421552 -377770473737  052200472736  002000072746
      TXL   (C) CA        ROS. )  AXT   7(0-02  PXA   7*0-00  LAC   5*0K*-  TXL   **YP**  XEC   580PG*  TRA   0*07GU
72740  002000072746  002000072746  002000073157  002000073157  002000073731  002000073712  007400413742  100002072753
      TRA   0*07GU  TRA   0*07GC  TRA   0*07I*  TRA   0*07I*  TRA   0*07*I  TRA   0*07**  TSX   0(0J*K  TXI   8027G$
72750  073744000003  000000014153  000000072565  007400406664  060100072502  007400406664  060100072503  007400406664
      PAC   7*M003  HTR   0001J$  HTR   0007EV  TSX   0(0-WU  STO   6107E2  TSX   0(0-WU  STO   6107E3  TSX   0(0-WU
72760  060100072504  053500172513  007400406664  060100072505  007400413520  007400403631  100003072773  073744000005
      STO   6107E4  LAC   5*0*F=  TSX   0(0-WU  STO   6107E5  TSX   0(0J**  TSX   0(0-*I  TXI   8037G,  PAC   7*M005
72770  000000030050  000000072553  000000072506  053500172513  007400403631  100003073002  073744000007  000000030051
      HTR   000300  HTR   0007E$  HTR   0007E6  LAC   5*0*E=  TSX   0(0-*I  TXI   8037H2  PAC   7*M007  HTR   00030R
73000  000000072552  000000072507  053500172513  007400403631  100003073011  073744000011  000000030052  000000072554
      HTR   0007E-  HTR   0007E7  LAC   5*0*E=  TSX   0(0-*I  TXI   8037H9  PAC   7*M009  HTR   00030-  HTR   0007E*
73010  000000072510  053500172513  007400403631  100003073020  073744000013  000000030053  000000072552  000000072511
      HTR   0007E8  LAC   5*0*E=  TSX   0(0-*I  TXI   8037H*  PAC   7*M00=  HTR   00030$  HTR   0007E-  HTR   0007E9
73020  053500172513  007400413672  100002073026  073744000014  000000014154  000000072610  050000072502  007400406664
      LAC   5*0*E=  TSX   0(0J*=  TXI   8027HF  PAC   7*M00'  HTR   0001J*  HTR   0007F8  CLA   5007E2  TSX   0(0-WU
73030  050000072506  007400406664  050000072503  007400406664  050000072507  007400406664  050000072504  007400406664
      CLA   5007E6  TSX   0(0-WU  CLA   5007E3  TSX   0(0-WU  CLA   5007E7  TSX   0(0-WU  CLA   5007E4  TSX   0(0-WU
73040  050000072510  007400406664  050000072505  007400406664  050000072511  007400406664  007400413472  007400403710
      CLA   5007E8  TSX   0(0-WU  CLA   5007E5  TSX   0(0-WU  CLA   5007E9  TSX   0(0-WU  TSX   0(0J)=  TSX   0(0-*8
73050  100002073054  073744000015  000000072502  000000072553  053500172513  007400403710  100002073062  073744000017
      TXI   8027H*  PAC   7*M00*  HTR   0007E2  HTR   0007E$  LAC   5*0*E=  TSX   0(0-*8  TXI   8027HS  PAC   7*M00*
73060  000000072503  000000072552  053500172513  007400403710  100002073070  073744000021  000000072504  000000072554
      HTR   0007E3  HTR   0007E-  LAC   5*0*E=  TSX   0(0-*8  TXI   8027HY  PAC   7*M00A  HTR   0007E4  HTR   0007E*
73070  053500172513  007400403710  100002073076  073744000023  000000072505  000000072552  053500172513  050000072502
      LAC   5*0*E=  TSX   0(0-*8  TXI   8027H*  PAC   7*M00C  HTR   0007E5  HTR   0007E-  LAC   5*0*E=  CLA   5007E2
73100  040200030050 -010000073114  050000072503  040200030051 -010000073114  050000072504  040200030052 -010000073114
      SUB   42030.  TNZ   J007I'  CLA   5007E3  SUB   42030R  TNZ   J007I'  CLA   5007E4  SUB   42030-  TNZ   J007I'
73110  050000072505  040200030053 -010000073114  002000073145  050000072502  060100030050  050000072503  060100030051
      CLA   5007E5  SUB   42030$  TNZ   J007I'  TRA   0*07IN  CLA   5007E2  STO   610300  CLA   5007E3  STO   61030R
73120  050000072504  060100030052  053500172513  050000072505  060100030053  060000072512  053500172513  050000072552
      CLA   5007E4  STO   61030-  LAC   5*0*F-  CLA   5007E5  STO   61030$  STZ   6007E*  LAC   5*0*F=  CLA   5007E-
73130  060100072513  053500172513  050200133302  040200072555  060100072514  077400400034  075400400000  053500421552
      STO   6107E=  LAC   5*0*F=  CLS   520*32  SUB   4207E*  STO   6107E'  AXT   7(0-0)  PXA   7*0-00  LAC   5*0K*-
73140 -377774473737  052200473141  002000073157  002000073712  002000073731  007400413672  100002073152  073744000035
      TXL   **(P**  XEC   530PIJ  TRA   0*07I*  TRA   0*07**  TRA   0*07*I  TSX   0(0J*=  TXI   8027I-  PAC   7*M00*
73150  000000014154  000000072571  007400413472  050000072550  007400405642  100000073157  073744000035  060000072515
      HTR   0001J*  HTR   0007F7  TSX   0(0J)*  CLA   5007E-  TSX   0(0-*K  TXI   8007I*  PAC   7*M00*  STZ   6007F*
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73160  053500424565  177777473162 -063400473711 -077400100001  060000072516  063400172516  053400472515  130064473170
       LAC  5*CKNV   TXI  ***PIS   SXD  010P*9   AXC  PI0*01   STZ  6007E*   SCA  6*0*E*   LXA  510PE*   TXI  *0UPIY
73170  063400473347  053400472515  130062473173  063400473345  053400472515  110061473176  063400473343  053400472515
       SXA  610P.P   LXA  510PE*   TXI  *0SPI.   SXA  610P.N   LXA  510PE*   TXI  *0/PI*   SXA  610P.L   LXA  510PE*
73200  130060473201  063400473341  053400472515  130057473204  063400473337  053400472515  130056473207  063400473335
       TXI  *0 P*1   SXA  610P.J   LXA  510PE*   TXI  *0*P*4   SXA  610P.*   LXA  510PE*   TXI  *0*P*7   SXA  610P.*
73210  053400472515  100055473212  063400473333  007400413762  100002073220  073744000042  000000014153  000000072647
       LXA  510PE*   TXI  *0*P**   SXA  610P..   TSX  010J*K   TXI  8027**   PAC  7*M00K   HTR  0001J$   HTR  0007FP
73220  007400406664  060100072517  007400406664  060100072520  007400406664  060100072521  007400406664  060100072522
       TSX  010-.L   STO  6107:*   TSX  010-MU   STO    7E*    TSX  010-MU   STO  6107E*   TSX  010-MU   STO  6107EB
73230  007400406664  060100072523  007400406664  060100072524  007400406664  060100072525  007400406664  060100072526
       TSX  010-ML   STO  6107EC   TSX  010-MU   STO  6107ED   TSX  010-MU   STO  6107EE   TSX  010-MU   STO  6107EF
73240  007400413520  007400413672  100002073246  073744000045  000000014154  000000072653  050000072517  007400406664
       TSX  010J**   TSX  010J*=   TXI  8027**   PAC  7*M00N   HTR  0001J*   HTR  0007F$   CLA  5007E*   TSX  010-MU
73250  050000072520  007400406664  050000072521  007400406664  050000072522  007400406664  050000072523  007400406664
       CLA  5007E*   TSX  010-MU   CLA  5007EA   TSX  010-MU   CLA  5007EB   TSX  010-MU   CLA  5007EC   TSX  010-MU
73260  050000072524  007400406664  050000072525  007400406664  050000072526  007400406664  007400413472  007400403710
       CLA  5007ED   TSX  010-MU   CLA  5007EE   TSX  010-MU   CLA  5007EF   TSX  010-MU   TSX  010J)=   TSX  010-*8
73270  100002073274  073744000046  000000072520  000000072554  007400403710  100002073301  073744000050  000000072521
       TXI  8027*(   PAC  7*M00U   HTR  0007E*   HTR  0007E*   TSX  010-*8   TXI  8027.1   PAC  7*M00Q   HTR  0007EA
73300  000000072554  007400403710  100002073306  073744000052  000000072522  000000072553  007400403710  100002073313
       HTR  0007E*   TSX  010-*8   TXI  8027.6   PAC  7*M00-   HTR  0007EB   HTR  0007E$   TSX  010-*8   TXI  8027.=
73310  073744000054  000000072523  000000072553  007400403710  100002073320  073744000056  000000072524  000000072553
       PAC  7*M00*   HTR  0007EC   HTR  0007E$   TSX  010-*8   TXI  8027.*   PAC  7*M00=   HTR  0007ED   HTR  0007E$
73320  007400403710  100002073325  073744000060  000000072525  000000072553  007400403710  100002073332  073744000062
       TSX  010-*8   TXI  8027.F   PAC  7*M00    HTR  0007EE   HTR  0007E$   TSX  010-*8   TXI  8027.*   PAC  7*M00S
73330  000000072526  000000072556  050000072520  060100000000  050000072521  060100000000  050000072522  060100000000
       HTR  0007EF   HTR  0007E*   CLA  5007E*   STO  610000   CLA  5007EA   STO  610000   CLA  5007EB   STO  610000
73340  050000072523  060100000000  050000072524  060100000000  050000072525  060100000000  050000072526  060100000000
       CLA  5007EC   STO  610000   CLA  5007ED   STO  610000   CLA  5007EE   STO  610000   CLA  5007EF   STO  610000
73350  050000021552  040200072554 -010000073354  002000073705  007400413742  100002073361  073744000076  000000014153
       CLA  5002*-   SUB  4207E*   TNZ  J007.*   TRA  0+07*5   TSX  010J*X   TXI  8027./   PAC  7*M00*   HTR  0001J$
73360  000000072700  007400406664  060100072527  007400406664  060100072530  007400406564  060100072531  007400406664
       HTR  0007G0   TSX  010-MU   STO  6107EG   TSX  010-MU   STO  6107EH   TSX  010-MU   STO  6107EI   TSX  010-MU
73370  060100072532  007400406664  060100072533  007400406664  060100072534  007400406664  060100072535  007400406664
       STO  6107E*   TSX  010-MU   STO  6107E.   TSX  010-MU   STO  6107E)   TSX  010-MU   STO  6107E*   TSX  010-MU
73400  060100072536  007400413520  050000072527  076500000010 -050100005637  060100005632  050000005640  076300000010
       STO  6107E*   TSX  010J**   CLA  5007EG   LRS  7V0008   ORA  N100**   STO  6100**   CLA  5000*-   LLS  7T0008
73410  030000005632  060100072537  056000072533  026000072537  060100072540  050000072530  076500000010 -050100005637
       FAD  3000**   STO  6107E*   LDQ  5 07E.   FMP  2 07E*   STO  6107E-   CLA  5007EH   LRS  7V0008   ORA  N100**
73420  060100005632  050000005640  076300000010  030000005632  060100072541  056000072534  026000072541  060100072542
       STO  6100**   CLA  5000*-   LLS  7T0008   FAD  3000**   STO  6107EJ   LDQ  5 07EI   FMP  2 07EJ   STO  6107EK
73430  050000072531  076500000010 -050100005637  060100005632  050000005640  076300000010  030000005632  060100072543
       CLA  5007EI   LRS  7V0008   ORA  N100**   STO  6100**   CLA  5000*-   LLS  7T0008   FAD  3000**   STO  6107EL
73440  056000072543  026000072535  060100072544  050000072532  076500000010 -050100005637  060100005632  050000005640
       LDQ  5 07EL   FMP  2 07E*   STO  6107EM   CLA  5007E*   LRS  7V0008   ORA  N100**   STO  6100**   CLA  5000*-
73450  076300000010  030000005632  060100072545  056000072545  026000072536  060100072546  007400403631  100002073463
       LLS  7T0008   FAD  3000**   STO  6107EN   LDQ  5 07EN   FMP  2 07E*   STO  6107EO   TSX  010-*1   TXI  8027)T
73460  073744000103  000000030053  000000072505  056000072537  026000072505  040200072540  010000073470 -012000073510
       PAC  7*M013   HTR  00030$   HTR  0007E5   LDQ  5 07E*   FMP  2 07E5   SUB  4207E-   TZE  1007)Y   TMI  J+07*8
73470  056000072541  026000072505  040200072542  010000073475 -012000073510  056000072543  026000072505  040200072544
       LDQ  5 07EJ   FMP  2 07E5   SUB  4207EK   TZE  1007)*   TMI  J+07*8   LDQ  5 07EL   FMP  2 07E5   SUB  4207EM
73500  010000073502 -012000073510  056000072545  026000072505  040200072546  010000073507 -012000073510  002000073522
       TZE  1007*2   TMI  J+07*8   LDQ  5 07EN   FMP  2 07E5   SUB  4207EO   TZE  1007*7   TMI  J+07*8   TRA  0+07*B
73510  007400413672  100002073515  073744000107  000000014154  000000072702  007400413472  050000072550  007400405642
       TSX  010J*=   TXI  8027**   PAC  7*M017   HTR  0001J*   HTR  0007G2   TSX  010J)=   CLA  5007EQ   TSX  010-*K
73520  100000073522  073744000107  053400472513  130306473524  063400473561  100001473526  063400473564  100001473530
       TXI  8007*B   PAC  7*M017   LXA  510PE=   TXI  =36P*D   SXA  610P*/   TXI  801P*F   SXA  610P*U   TXI  801P*H
73530  063400473567  100001473532  063400473572  007400403710  100002073540  073744000111  000000072540  000000072556
       SXA  610P*X   TXI  801P**   SXA  610P*=   TSX  010-*8   TXI  8027*-   PAC  7*M019   HTR  0007E-   HTR  0007E*
73540  007400403710  100002073545  073744000113  000000072542  000000072556  007400403710  100002073552  073744000115
       TSX  010-*8   TXI  8027*N   PAC  7*M01=   HTR  0007EK   HTR  0007E*   TSX  010-*8   TXI  8027*-   PAC  7*M01*
73550  000000072544  000000072556  007400403710  100002073557  073744000117  000000072546  000000072556  060000072501
       HTR  0007EM   HTR  0007E*   TSX  010-*8   TXI  8027**   PAC  7*M01*   HTR  0007EO   HTR  0007E*   STZ  6007E1
73560  050000072540  040200000000 -010000073576  050000072542  040200000000 -010000073576  050000072544  040200000000
       CLA  5007E-   SUB  420000   TNZ  J007**   CLA  5007EK   SUB  420000   TNZ  J007**   CLA  5007EM   SUB  420000
73570 -010000073576  050000072546  040200000000 -010000073576  050000072547  060100072501  050000021552  040200072557
       TNZ  J007**   CLA  5007EO   SUB  420000   TNZ  J007**   CLA  5007EP   STO  6107E1   CLA  5002*-   SUB  4207E*
73600 -010000073603  052000072501  002000073610  050000021552  040200072557  010000073611  052000072501  002000073611
       TNZ  J007*3   ZET  5+07E1   TRA  0+07*8   CLA  5002*-   SUB  4207E*   TZE  1007*9   ZET  5+07E1   TRA  0+07*9
73610  002000073735  053400472513  130306473613  063400473623  100001473615  063400473625  100001473617  063400473627
       TRA  0+07**   LXA  510PE=   TXI  =36P*=   SXA  610P*C   TXI  801P**   SXA  610P*E   TXI  801P**   SXA  610P*G
73620  100001473621  063400473631  050000072540  060100000000  050000072542  060100000000  050000072544  060100000000
       TXI  801P*A   SXA  610P*I   CLA  5007E-   STO  610000   CLA  5007EK   STO  610000   CLA  5007EM   STO  610000
73630  050000072546  060100000000  050000072513  040000072514  060100072513  053400472513  130302473637  063400473640
       CLA  5007EO   STO  610000   CLA  5007E=   ADD  4007E'   STO  6107E=   LXA  510PE=   TXI  =32P**   SXA  610P*-
73640  050000000000  040200072553  010000073644  012000073645  002000073652  050000021552  040200072557  010000073651
       CLA  500000   SUB  4207E$   TZE  1007*M   TPL  1+07*N   TRA  0+07*-   CLA  5002*-   SUB  4207E*   TZE  1007*R
73650  002000073611  002000073632  053400472513  130302473654  063400473663  050000072513  040200072514  060100072514
       TRA  0+07*9   TRA  0+07**   LXA  510PE=   TXI  =32P**   SXA  610P*T   CLA  5007E=   SUB  4207E'   STO  6107E'
73660  053400472514  130302473662  063400473664  050200000000  040200000000  060100072514  050000021552  040200072552
       LXA  510PE'   TXI  =32P*S   SXA  610P*U   CLS  520000   SUB  420000   STO  6107E'   CLA  5002*-   SUB  4207E-
73670  010000073674  050000021552  040200072560 -010000073675  002000073705  050000072512  040000072552  060100072512
       TZE  1007*(   CLA  5002*-   SUB  4207E    TNZ  J007**   TRA  0+07*5   CLA  5007E+   ADD  4007E-   STO  6107E+
73700  050000072512  040200024565 -010000073704  002000073733  002000073354  050000072515  040000072561  060100072515
       CLA  5007E+   SUB  4202NV   TNZ  J007*4   TRA  0+07*.   TRA  0+07.*   CLA  5007F*   ADD  4007E/   STO  6107E*
73710  177777173711  300000173165  002000073747  007400413672  100002073720  073744000174  000000014154  000000072721
       TXI  *****9   TXH  H0G*IV   TRA  0+07*P   TSX  010J*=   TXI  8027**   PAC  7*M01(   HTR  0001J*   HTR  0007CA
73720  007400413472  050000072550  007400405642  100000073725  073744000174  063400173727  002000400001  077400100000
       TSX  010J)=   CLA  5007EQ   TSX  010-*K   TXI  8007*E   PAC  7*M01(   SXA  610**G   TRA  0+0-01   AXT  710800
73730  002000400001  007400473727  002000073354  007400473725  002000073712  007400473725  002000073713  062100073742
       TRA  0+0-01   TSX  010P*G   TRA  0+07.*   TSX  010P*E   TRA  0+07**   TSX  010P*E   TRA  0+07**   STA  6A07*K
73740  007400405646  100001073744  073744000202  000000072562  000000056653 -052563233060  100000073754  077400177472
       TSX  010-*C   TXI  8017*M   PAC  7*M022   HTR  0007ES   HTR  0005W$        NETCH    TXI  8007**   AXT  710*(=
73750  077400456653  044100073753  002000400001  000000000010  060400073753  063400402652  063400473744  063400473750
       AXT  710NW$   LDI  4J07*$   TRA  0+0-01   HTR  000008   STI  6407*$   SXA  610-F-   SXA  610P*M   SXA  610P*Q
73760  063400173747  050000400003  062100072770  062100073100  062100073115  050000400004  062100072777  062100073103
       SXA  610**P   CLA  500-03   STA  6A07GY   STA  6A0710   STA  6A071*   CLA  500-04   STA  6A07G*   STA  6A0713
73770  062100073117  050000400005  062100073006  062100073106  062100073121  050000400006  062100073015  062100073111
       STA  6A071*   CLA  500-05   STA  6A07H6   STA  6A0716   STA  6A071A   CLA  500-06   STA  6A07H*   STA  6A0719
74000  062100073124  062100073461  050000400007  073400100000 -063400173211  050000400010  073400100000 -063400173206
       STA  6A071L   STA  6A071/   CLA  500-07   PAX  710800   SXD  010*+9   CLA  500-08   PAX  710800   SXD  010**6
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74010  050000400011  07340C100000 -063400173203  050000400012  073400100000 -063400173200  050000400013  073400100000
       CLA   500-09  PAX   710800  SXD   010**3  CLA   500-0*  PAX   710800  SXD   010**0  CLA   500-0=  PAX   710800
74020 -063400173175  050000400014  073400100000 -063400173172  050000400015  073400100000 -063400173167  050000400016
       SXD   010*1*  CLA   500-0*  PAX   710800  SXD   010*1=  CLA   500-G*  PAX   710800  SXD   010*1X  CLA   500-0*
74030  073400100000  177777174032  063400173132 -063400173636 -063400173553 -063400173661  050000400017  062100073160
       PAX   710800  TXI   ****-*  SXA   610*1*  SXD   010***  SXD   010**$  SXD   010**/  CLA   500-0<  STA   6A071
74040  062100073701  050000400020  062100072734  062100073137  062100073350  062100073576  062100073603  062100073645
       STA   6A07*1  CLA   500-0*  STA   6A07G1  STA   6A071*  STA   6A07.U  STA   6A07**  STA   6A07*3  STA   6A07*N
74050  062100073666  062100073671  050000400021  073400100000  100003174055 -063400173523 -063400173612  002000072732
       STA   6A07**  STA   6A07*Z  CLA   500-0A  PAX   710800  TXI   803*-*  SXD   010**C  SXD   010***  TRA   0+07G*
74060 -000000075072  013000000000  000000075470  200400074044  000310000001 -023660131733 -076267132007 -153535132213
         -007 *      TZE   100000  HTR   0G07*Y  TXH   H407-U        036C01       K* =*.       PSX**7       ****B*
74070 -154744132343 -011762132547 -121321132623 -102530132677 -070324132753 -023660133027 -160603133103 -016415133437
             *PM=CL        J*S*EP        -*A*FC        OEH=F*        K3O-GS        K* =N<        *63=13        JU*=)*
74100 -167567133567 -142176134047 -134475134123 -113565134177 -155545134327 -056644134457 -011762134533 -157363134737
             **X**X        *A**-P        S***JC        R*V=J*        **N=LG        NUM=M*        J*S*N.        *,T*P*
74110 -160170135013 -154667135067 -016415135217 -167057135347 -070706135423 -162415135477 -023660135627 -072242136033
             *1Y=0=        *0X*0X        JU**-*        *Y**SP        P76**C        *D=-**        K* =*G        PBK= .
74120 -140727130303 -041331130357 -000000130637 -000000130767 -003702131043 -157325131173 -151414131247 -115372131377
             *7G=33        M*1*3*        -00=6*        -0G=7X        -*2=BL        *,E=9,        ****=*P       RS====
74130 -132033131657 -016415132063 -151375132417 -034422133157 -141175133773 -153757134253 -132525134403 -160125134607
             $*,=**        JU***T        ****D*        LMB=1*        *9**=*,       ****KS        $EE=M3        *1E=07
74140 -016415135143 -134044135703 -023660136107 -100433136163 -003702136237 -153346136313 -030601130563 -161646130713
             . * ^.        S-M**3        K* =/7        O4.=/T        -*2=S*        *.O*T=  USM   L61=5T        **O=7*
74150 -1556641  323 -105272131527 -003702131603 -016415132137 -030601132473 -030601133233 -023660133307 -003702133363
             **U==C        O-***G        -*2=*3        JU**A*  USM   L61=D,  USM   L61=*.        K* =.7        -*2=.T
74160 -154417133643 -155413135273 -111674135553  000000037067  050002000002  000377777777 -000000000000  002000000000
             *M***L        ****-,        R*(=*S  HTR   0003YX  HTR   002002        03****        -00000  TRA   0+0000
74170  002000000000  174000000000  174000000000  000000000000  177777777400  177777777400  000174000002  100000136443
       TRA   0+0000  TXI   *-0000  TXI   *-000C  HTR   000000  TXI   ****(0  TXI   ****(0        011002  TXI   800=UL
74200 -100000136443  000000135627  000000135757  160612136163  000000136313  011707136367  000000130637  012657  3767
       STR   000=UL  HTR   000=*G  HTR   000=**  TXI   *6*=/T  HTR   000=T=        1*7=TX  HTP   000=6*        1F*=7X
74210  000000131043  041120131377  151564131527  123172132213  143752132343  171014132417  000000132547  132750132677
       HTP   000=8L        49****  TXI   **U=*G  TXI   *1==B=  TXI   *•-=CL  TXI   *8*=D*  HTR   000=EP  TXI   =CQ=F*
74220  150102133027  000000133233  000530133307  165611133567  115026133717  145734133773  152270134047  165734134123
       TXI   *12=HG  HTR   000=*.        05M=.7  TXI   **9**X  TXI   90F=**  TXI   **)**,  TXI   *BY=-P  TXI   **)=JC
74230  157172134327  000000134403  167352134533  167352134607  070555134663  150102134737  175710135013  175710135703
       TXI   *Z=*LG  HTR   000=M3  TXI   *,-=N.  TXI   *,-=07        75**0T  TXI   *12=P*  TXI   **8=Q=  TXI   **8**3
74240  171014136033  000000130563  175710131247  167352131453  155001131657  117700132007  000000132137  127020132267
       TXI   *8*= .  HTR   000=5T  TXI   **B**P  TXI   *,-=*S  TXI   *01=**  TXI   9*0=*7  HTR   000=A*  TXI   *Y*=BX
74250  000000132473  175710132753  012121133363  000000133437  171014133513  156341133643  171014134457  000000135067
       HTR   000=D,  TXI   **8=GS        1AA*.T  HTR   000=)*  TXI   *8*=**  TXI   *TJ=*L  TXI   *8*=M*  HTR   000=0X
74260  000000135143  000000135273  134213135423  000000136107  000000136237  165611130507  000000131603  000000132063
       HTR   000=RL  HTR   000=-,  TXI   =K==*C  HTR   000=/7  HTR   000=S*  TXI   **9=57  HTR   000=*3  HTR   000=*T
74270  144321132623  000000133103  171014133157  160313134177  157172134253  000000135217  175710135477 -176711135627
       TXI   *LA=FC  HTR   000=13  TXI   *8*=)*  TXI   *3==J*  TXI   *Z==KS  HTR   000=-*  TXI   **B=**        *X9=*G
74300 -176711135757 -176711136107 -017512136163 -176711136237 -163637136367 -176711130563 -025542130713 -000000131247
             *X9=**        *X9=/7        J*$=/T        *X9=S*        ****TX        *X9=5T        K*K=7=        -00=*=
74310 -176711131323 -135012131377 -012063131453 -024527131527 -176711131603 -042421132213 -004717132417 -000000132753
             *X9==C        $Q*==*  TMI * J*T=*$        KNG=*G        *X9=*3        MDA=B=        -P*=D*        -00=GS
74320 -176711133103 -174410133307 -176711133437 -012634133567 -057631133717 -027645133773 -013450134123 -020004134177
             *X9=13        *M8=.7        *X9=)*        JF)=*X        N*(=**        K*N=*,        J)O=JC  MPR   K04=J*
74330 -017240134253 -017240134327 -004717134457 -012063134533 -107055134663 -176711135143 -176711135273 -041162135423
             J=-=KS        J=-=LG        -P*=M*  TMI * J*T=N.        QY*=UT        *X9=RL        *X9=-,        M9S=*C
74340 -000000135553 -176711136313 -176711130303 -001226130357 -012634130507 -162762130767 -176711131043 -023254131657
             -00=*$        *X9=T*        *X9=33        -*F=3*        JF)=57        *GS=7X        *X9=8L        K*====
74350 -054367132007 -176711132137 -050521132267 -176711132473 -004717133157 -176711133233 -162751133363 -004717133513
       RCHM* NLX=*7        *X9=A*        N5A=BX        *X9=D,        -P*=)*        *X9=*.        *GR=.T        -P*==*
74360 -020055133643 -000000135013 -176711135067 -000000135477 -030171131117 -176711131733 -176711132063 -032042132343
       MPR   KO*=*L        -00=Q=        *X9=0X        -00=**  DUFA* L1Z=9*        *X9=*.        *X9=*T  ANA   L*K=CL
74370 -176711132547 -025542133027 -175365134403 -025542134737 -012634135347  000001000071 -000000100000  000001000073
             *X9=EP        K*K=HG        *$V=M3        K*K=P*        JF)=$P  HTR   001002        -00800  HTR   00100,
74400 -000000100000  000001000075 -000000100000  000001000077 -000000100000  000001000107 -000000100000  000001000001
             -00800  HTR   00100*        -00800  HTR   00100*        -00800  HTR   0.1017        -00800  HTR   001001
74410 -000000100000  000001000002 -000000100000  000001000004 -000000100000  000001000010 -000000100000  000001000011
             -00800  HTR   001002        -00800  HTR   001004        -00800  HTR   001008        -00800  HTR   001009
74420 -000000100000  000001000022 -000000100000  000001000024 -000000100000  000001000026 -000000100000  000001000030
             -00800  HTR   001008        -00800  HTR   00100D        -00800  HTR   00100F        -00800  HTR   00100H
74430 -000000100000  000001000033 -000000100000  000001000042 -000000100000  000001000043 -000000100000  000001000045
             -00800  HTR   00100.        -00800  HTR   00100K        -00800  HTR   00100L        -00800  HTR   00100N
74440 -000000100000  000001000047 -000000100000  000001000051 -000000100000  000001000067 -000000100000  000001000070
             -00800  HTR   00100P        -00800  HTR   00100R        -00800  HTR   00100X        -00800  HTR   00100Y
74450 -000000100000  000001000076 -000000100000  000001000012 -000000100000  000001000023 -000000100000  000001000025
             -00800  HTR   00100*        -00800  HTR   00100+        -00800  HTR   00100C        -00800  HTR   00100E
74460 -000000100000  000001000031 -000000100000  000001000034  000000075066  300400074466  000310000001  254524452563
             -00800  HTR   001001        -00800  HTR   001001  HTR   0007OW  TXH   H407MW        038001  TIX   ENDNET
                          WORDS  74470  TO  74767  ALL CONTAIN  254524452563
                                                                TIX   ENDNET
74770  254524452563  254524452563  254524452563  254524452563  254524452563  254524452563  254524452563  000001000071
       TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  TIX   ENDNET  HTR   001002
75000 -000000100000  000001000073 -000000100000  000001000075 -000000100000  000001000077 -000000100000  000001000107
             -00800  HTR   00100,        -00800  HTR   00100*        -00800  HTR   00100*        -00800  HTR   001017
75010 -000000100000  000001000001 -000000100000  000001000002 -000000100000  000001000004 -000000100000  000001000010
             -00800  HTR   001001        -00800  HTR   001002        -00800  HTR   001004        -00800  HTR   001008
75020 -000000100000  000001000011 -000000100000  000001000022 -000000100000  000001000024 -000000100000  000001000026
             -00800  HTR   001009        -00800  HTR   001008        -00800  HTR   00100D        -00800  HTR   00100F
75030 -000000100000  000001000030 -000000100000  000001000033 -000000100000  000001000042 -000000100000  000001000043
             -00800  HTR   00100H        -00800  HTR   00100.        -00800  HTR   00100K        -00800  HTR   00100L
75040 -000000100000  000001000045 -000000100000  000001000047 -000000100000  000001000051 -000000100000  000001000067
             -00800  HTR   00100N        -00800  HTR   00100P        -00800  HTR   00100R        -00800  HTR   00100X
75050 -000000100000  000001000070 -000000100000  000001000076 -000000100000  000001000012 -000000100000  000001000023
             -00800  HTR   00100Y        -00800  HTR   00100*        -00800  HTR   00100+        -00800  HTR   00100C
75060 -000000100000  000001000025 -000000100000  000001000031 -000000100000  000001000034  000000074062  300400075070
             -00800  HTR   00100F        -00800  HTR   001001        -00800  HTR   001001  HTR   0007-S  TXH   H407QY
75070  000310000001 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000
             038001        -00000        -00000        -00000        -00000        -00000        -00000        -00000
                          WORDS  75100  TO  75377  ALL CONTAIN -000000000000
                                                                     -00000
75400 -000000000000  000325000336  000331000336  000123000336  000127000336  000141000336  000143000336  000145000336
             -00000        03E03*        03103*        01C03*        01G03*        01J03*        01L03*        01N03*
75410  000147000336  000151000336  000153000336  000167000336  000175000336  000207000336  000213000336  000221000336
             01P03*        01R03*        01T03*        01X03*        01*03*        02703*        02=03*        02A03*
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75420  000225000336  000231000336  000235000336  000237000336  000243000336  000245000336  000247000336  000251000336
             02E03*        02103*        02*03*        02*03*        02LC3*        02W03*        02P03*        02R03*
75430  000255000336  000257000336  000263000336  000273000336  000277000336  000303000336  000307000336  000327000336
             02*03*        02*03*        02T03*        02.03*        02*C3*        03303*        03703*        03G03*
75440  000113000336  000115000336  000121000336  000131000336  000133000336  000155000336  000161000336  000165000336
             01*03*        01*03*        01A03*        01163*        01.03*        01*03*        01/03*        01V03*
75450  000171000336  000177000336  000215000336  000217000336  000223000336  000227000336  000233000336  000267000336
             01Z03*        01*03*        02*03*        02*G3*        02CG3*        02G03*        02.C3*        02X03*
75460  000271000336  000305000336  000135000336  000157000336  000163000336  000173000336  000201000336  000211000336
             02Z03*        03503*        01*03*        01*03*        01T03*        01,C3*        02103*        02903*
75470  000000377076  300400075476  000002000001  000000000002  000000000004  000000000014 -020000000000 -000000000000
       HTR   0007Y*  TXH   H407**  HTR   003001  HTR   000002  HTR   00000M  HTR   00000'        -00000        -00000
                           WORDS  75500  TO  75777  ALL CONTAIN -000000000000
                                                                      -00000
76000 -000000000000 -000000000000 -000000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000
             -00000        -00000        -00000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000
                           WORDS  76010  TO  76067  ALL CONTAIN -100000000000
                                                               STR   000000
76070 -100000000000 -100000000000  000000074464  300400076074  000310000001  020000000000  020000000000  020000000000
       STR   000000  STR   000000  HTR   0007MU  TXH   H407 (        038001  MPY   200000  MPY   200000  MPY   200000
76100  020000000000  000000000000  000000000000  000000000000  000020000020  177144134737  062730135013  057577135067
       MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*  TXI   *ZM=P*        6GH=Q=        ,*=QX
76110  073155135143  066606135217  073411135347  064777135477  073507135553 -115143136033 -104355136163 -115204130433
             7I==RL        6W6=-*  PAX   71Y=SP        6P****        7*7==$        RRL= .        9L**/T        R-4=4.
76120 -054153130637 -060143130767 -111225131377 -101676131527 -071410131603  104420127051  100521127052  100521127054
       RCHD  NJS=5*        0IL=7A        R*E=**        0****G        P'8**3  TXI   8M**YR  TXI   85A*Y-  TXI   85A*Y*
76130  132365127056  104420127057  100521127061  132365127064  000000127065 -104016127067 -103226127070 -050265127072
       TXI   *CV*Y*  TXI   8M**Y*  TXI   85A*Y/  TXI   *CV*YU  HTR   000*YV        0-**YX        3*F*YY        N25*Y=
76140 -104016127075 -104016127102 -104016127103 -106232127107 -104016127110  000000035553  000001000076  000166124474
             0-**Y*        0-**Z2        0-**Z3        02**Z7        0-**Z8  HTR   0003*5  HTR   00100*        01W*MI
76150  000020171474  020000000000  020000000000  020000000000  020000000000  103147174000  102654355000  000000000000
       HTR   00--*(  MPY   200000  MPY   200000  MPY   200000  MPY   200000  TXI   8IP*-0  TXI   8F**GO  HTR   000000
76160  000020000020  067625132137  065403132267  063217132417  067625132547  064502132677  200000132753  067625133027
       HTR   00*00*        6*E=A*        6*3=RX        6***D*        6*E*EP        6NZ*F*  TIX   *00=G$        6*E=MG
76170  073154133103 -112657133233 -000000133307 -113537133567 -116755133643 -057361133773 -114010134123 -117062134177
             7I**13        RF**+.        -00=.7        R****X        RX***L        N,/**,        R-8*JC        RYS*J*
76200 -117727134327  111505127112  110246127114  110440127051  111702127052  111505127053  111505127054  110246127056
             R*G*LE  TXI   9*5*Z*  TXI   920*Z'  TXI   94-*YR  TXI   9*2*Y-  TXI   9*5*Y$  TXI   9*5*Y*  TXI   920*Y*
76210  000000127057 -077327127062 -101042127064 -100607127065 -077327127067 -077327127071 -077327127075 -077327127077
       HTR   000*Y*  ROL   P,G*YS        G8K*YU        G67*YY  ROL   P,G*YX  ROL   P,G*YZ  ROL   P,G*Y*  ROL   P,G*Y*
76220 -101042127100  000000035627  000001000077 -000000634502  000076654036  020000000000  020000000000  020000000000
             Q8K*ZC  HTR   0003*G  HTR   00100*        -00TN2  HTR * 00*V-*  MPY   200000  MPY   200000  MPY   200000
76230  020000000000  037007556000  035204064400  000000000000  000020000020  005435134403  174163135013  156715135143
       MPY   200000        3Y/* 0        3-46M0  HTR   000000  HTR   00*00*  RFT   0***M3  TXI   *JT=Q=  TXI   *X**RL
76240  004576135217  005450135273  177026135703  010252135757  175472136033 -123312136163 -123312136237 -122707136367
             0N**-*  RFT   0*Q*-,  TXI   *YF=*3        12-***  TXI   **** .        -.**/T        -.**S*        -G7=TX
76250 -000503130357 -120557130507 -110640130637 -032706130767 -121214131117  017564127101  077137127103  020437127105
             -53*3*        -5**57        R6-***        LG6*7X        -*'*9*        1*U*Z1  ARS   72**Z3  VLM   24**Z5
76260  155545127110  124712127112  126066127113  126066127114  061562127052 -110716127062 -107664127063 -107664127064
       TXI   **N*Z8  TXI   *P**Z*  TXI   * W*Z*  TXI   * W*Z'        5*S*Y-        R7**YS        Q*U*YT        Q*U*YU
76270 -110716127070 -110716127073 -110716127076 -107664127077 -004654127101  000000035703  000001000100 -000126476171
             R7**YY        R7**Y,        R7**Y*        Q*U*Y*  PIA   -0**Z1  HTR   0003*3  HTR   001010        -1FPJZ
76300  000020626122  020000000000  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000
       HTR   00*S/8  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000
76310  000020000020  066544131377  057161131453  052354131603  052354131657  200000131733  054127132007  074152132063
       HTR   00*00*        6VM=**        5Z/*'$         5C**3        5C****  TIX   *00**.  RCHC  5JG=*7        7J-=*T
76320  134617132343 -121514132417 -131173132547 -131173132623 -124331132753 -000000133027 -125047133103 -122274133233
       TXI   *0**CL        -*'=0*        $9,=EP        $9,=FC        -L1=G$        -00=HG        -QP=13        -8(=*.
76330 -000000133307  146314127102  000000127106  146314127110  146314127111  000000127112  000000127113  146314127052
             -00=.7  TXI   'T'*Z2  HTR   000*Z6  TXI   'T'*Z8  TXI   'T'*Z9  HTR   000*Z*  HTR   000*Z=  TXI   'T'*Y-
76340  146314127060 -125014127065 -000000127067 -125372127071 -125372127072 -125014127073 -000000127075 -125372127076
       TXI   'T'*Y         -Q'*YV        -00*YX        -$=*YZ        -$=*Y=        -Q'*Y,        -00*Y*        -$=*Y*
76350 -125372127100  000000035757  000001000101  000162500502  000127335256  020000000000  020000000000  020000000000
             -$=*Z0  HTR   0003**  HTR   001011        01SQ52        01A$-*  MPY   200000  MPY   200000  MPY   200000
76360  020000000000  142116770000  140440601000  000000000000  000020000020  000000133643  200000134047  043710134253
       MPY   200000  TXI   *A**00  TXI   '4- 80  HTR   000000  HTR   00*00*  HTR   000**L  TIX   *00=-P        4*8=K$
76370  200000135013  062230135217  000000135273  051637135347  200000135477 -007073135553 -000000135703 -123235136237
       TIX   *00=Q=  STD   6BH=-*  HTR   000=-,        5**=$P  TIX   *00=**        -Y,**$        -00=*3        -***S*
76400 -141265136367 -136652130303 -040176130357 -146261130433 -136631130507 -100000000000 -100000000000 -100000000000
             **V=TX        $W-=33        M1**3*        *S/=4.        $WI=57  STR   000000  STR   000000  STR   000000
                           WORDS  76410  TO  76427  ALL CONTAIN -100000000000
                                                               STR   000000
76430 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000  060200476437
       STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  STR   000000  SLW   620PU*
76440  200001476437  002000076446  000000000000  000000000000  000000000000  000000000000 -100000000000 -100000000000
       TIX   *01PU*  TRA   0*07U0  HTR   000000  HTR   000000  HTR   000000  HTR   000000  STR   000000  STR   000000
                           WORDS  76450  TO  76467  ALL CONTAIN -100000000000
                                                               STR   000000
76470 -100000000000 -100000000000 -100000000000 -100000000000  000000074060  300400076476  000310000001  000000127102
       STR   000000  STR   000000  STR   000000  STR   000000  HTR   0007-   TXH   H407U*        038001  HTR   000*22
76500  000000127105  124422127107  124422127112  131057127114  123115127052  124422127054  126113127056 -101364127060
       HTR   000*Z5  TXI   *MB*Z7  TXI   *MB*Z*  TXI   =8**Z'  TXI   *I**Y-  TXI   *MB*Y*  TXI   */=*Y*         Q=U*Y
76510 -073474127062 -076376127064 -101364127065 -101364127066 -076376127072 -101364127073 -101364127074  000000036033
       PDX   P)(*YS  LGL   PT**YU        Q=U*YV        Q=U*YW  LGL   PT**Y=        Q*U*Y,        Q=U*Y(  HTR   0003 .
76520  000001000102 -000454017643 -000026165322  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001012        -4*1*L        -0F*$B  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
76530  000000000000  202166051000  000020000020  177746130563  200000130637  200000130767  000000131323  000000131377
       HTR   000000  TIX   *AW580  HTR   00*00*  TXI   **0=5T  TIX   *00=6*  TIX   *00=7X  HTR   000**C  HTR   000***
76540  200000131453  000000131657  000000131733 -101276132007 -106640132137 -106027132273 -107166132343 -105756132417
       TIX   *00='$  HTR   000***  HTR   000**.        Q***+7        QW-=A*        Q G=8=        QZW=CL        Q***D*
76550 -107652132753 -025622133157 -106751133567  000000127077  175334127101  103665127102  175334127106  000000127111
             Q*-=G$        K*8=1*        QXR**X  HTR   000*Y*  TXI   *$)*Z1  TXI   8*V*Z2  TXI   *$)*Z6  HTR   000*Z9
76560  000000127112  175334127051  103665127052 -143413127053 -000000127056 -000000127057 -143413127061 -143413127062
       HTR   000*Z*  TXI   *$)*YR  TXI   8*V*Y-        *)=*Y$        -00*Y*        -00*Y*        *)=*Y/        *)=*YS
76570 -022124127066 -143413127067 -137574127071  000000036107  000001000103 -001032450072  000021212267  020000000000
             KAD*YW        *)=*YX        $*(*YZ  HTR   0003/7  HTR   001013        -8*NO=  HTR   00AABX  MPY   200000
76600  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000020000020  021464133643
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00*00*        2'U=*L
76610  000504133717  011374133773  115263134047  200000134123  200000134177  026644134253  200000134533 -107512134737
             054***        1=(**,  TXI   9-T*-P  TIX   *00=JC  TIX   *00=J*        2WM=K$  TIX   *00=N.        Q**=P*
```

```
76620 -115035135067 -11150-135273 -107254135347 -000000135553 -163540135757 -112445136367 -114042130303  002103127073
             RQ--QX        R-4--,        Q--.SP        -00--$        Q-----        RDM-TX        P-P-33  TTR   0630Y.
76630  130715127102  130715127103  130715127104  137543127105  137436127106  025663127107  036640127114 -101320127052
       TXI  -7-022  TXI   -7-023  TXI   -7-024  TXI  --L025  TXI   -I--26         2-T-27        3 -0Z*        Q---Y-
76640 -101520127053 -101321127054 -101520127060 -101520127061 -072706127063 -073120127064 -101730127065  000000036163
             Q---Y8        Q-££--         Q---Y        Q---Y/        PG6+YT        PI--YU        J-H-YV  HTR    0003/T
76650  000001000104 -001062130174  000605714411  020000000000  020000000000  020000000000  020000000000  000000000000
       HTR   001014        -#S-11  HTR   005ZM9  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000
76660  000000000000  000000000000  000020000020  077716130507  106543130563  100275131043  076656121117  07643013117?
       HTR   000000  HTR   000000  HTR   00+00+        7---57  TXI   8YL-5T  TXI   82--BL  MRS   7H--9-  BSP   7UM-9,
76670  076663131247  076664131323  076177131453 -076512131657 -077727132267 -077227132417 -101306132547 -100273132623
       MRS   7MT-*P  BSR   7UU--C  MOP   7/--*S  LGR   PY----        P-G-BX  AUR   P-G-D-        C-6-EP  STR   00C-FC
76700 -100567132753 -076433133103 -101367133233  200000127064  000001127072  000001127076  200000127103  000001127105
             05X-G$  BSF   PU.-I3        G-X--.  TIX   -00+YM  HTR   00G-Y-  HTR   0J0+Y-  TIX   -CO+Z3  HTR   000+Z5
76710  000000127107  200000127110  200000127111 -127427127112 -123403127113 -126760127051 -000001127052 -123403127055
       HTR   000+Z7  TIX   +00+Z8  TIX   +00+Z9        -IG+Z-        -J3+*-        -X 0YR        -00+Y-        -J3+Y-
76720 -122732127056 -127427127052 -000000127067  000000036237  000001000105 -001406240562 -000021127136  020000000000
             -G--Y-        -IG-YS        -00+YX  HTP   00035-  HTR   001015        -*6055        -0A+Z-  MPY   200000
76730  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000  000070000020  052737134047
       MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00+        5G---P
76740  200000134123  026261134253  023136134403  177133134533  0437741 4663  116304134737  071767135143 -124623135217
       TIX   +00-JC         2S/-R8        2I--M3  TXI   -Z.-N.        4-(-0I  TXI   9T4-P-        7-X-RL        -0C--
76750 -124116135423 -130526135703 -000045136033 -000001136163 -124351136237 -127522136313 -122147136367  010474127071
             -J---C        $SF--3        -ON- .        -00-/T        -LP-S-        --A-T-        -AP-TX        14(+YZ
76760  010474127072  137670127074  147457127077  137670127101  137670127102  147457127105  000001127107 -104232127111
             1-(+Y-  TXI   --Y+Y(  TXI   *(--Y-  TXI   --Y0Z1  TXI   --Y+Z2  TXI   *(--Z5  HTR   C00+Z7        QK--Z9
76770 -070560127114 -103313127051 -077103127052 -104232127053 -070560127055 -077103127060 -104232127061  000000036313
             P5 -Z*        Q.--YR        PZ3+Y-        QK--Y$        P5 -Y-        PZ3+Y        QK--Y/  HTR   0003I-
77000  000001000104 -001341215346 -000025057433  020000000000  020000000000  020000000000  020000000000  002000003152
       HTR   001016        --JA$0        -0E5(.  MPY   200000  MPY   200000  MPY   200000  MPY   200000  TRA   0+00I-
                          WORDS  77010  TO  77047  ALL CONTAIN  000000000000
                                                               HTR   000000
77070  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000  000000076474  300400077100
       HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   0007U(  TXH   H40720
77100  000310000001  000000000000  000000000000  000000000000  000020000020  057062130357  060432130507  053317130563
             538001  HTR   000000  HTR   000000  HTR   000000  HTR   00+00+        SYS-3-  STI   64--57        5.--5T
77110  200000131043  052302131173  054366131453  157470131527  056363132267 -146613132343 -135231132417 -000573132753
       TIX   +00-BL         5C2-9,  RCHS- SLW-*$  TXI   -(Y--G        STT-BX        -W--CL        $-I-D-        -5,-G$
77120 -146275133027 -143773133157 -147051133307 -000000133363 -0.157713343?  162654127062  142750127063  000000127066
             -S--HG        --,-I6        -YR-.?        -00-.T        J---I-  TXI   -F--YS  TXI   *GQ+YT  HTR   000+YW
77130  051631127067  162654127076  143613127077  000000127101  051631127103 -002766127104 -000000127105 -114357127106
             5-I+YX  TXI   -F--Y-  TXI   *---Y-  HTR   000+Z1        5-I+Z3  TRCH- -GW+Z4        -C0+Z5        RL--Z6
77140 -131012127107 -131012127110 -131012127052 -114357127056 -131012127057  000000036367  000001000107 -001451662175
             $8-+Z7        $8-+Z8        $8-+Y-        RL-+Y-        $8-+Y-  HTR   0003TX  HTR   001017        -*RWA-
77150 -000015001320  020000000000  020000000000  020000000000  020000000000  000000000000  000000000000  000000000000
             -0-0--  MPY   200000  MPY   200000  MPY   200000  MPY   200000  HTR   000000  HTR   000000  HTR   000000
77160  000020000020  104725133513  104044133567  076756133643  100063133717  101174134253  102577134327  066736134403
       HTR   00+00+  TXI   8PE---  TXI   8-M--X  ALS   7X---L  TXI   8OI---  TXI   89(-KS  TX,   8E--LG        6X--M3
77170  075012134457 -072451134533 -104674134607 -076053134737 -074424135217 -105404135423 -076202135477 -076351135627
             7Q--M-        PDR-N.        00(-07  MSE   P $-P-        PPD---        Q-4--C        PS2---  LGL   PTR--G
77200 -103553136033  116036127061  045725127064  044717127071  047722127072  122776127073  117771127076  120776127101
             Q-$- .  TXI   9 -+Y/        4-E+YU        4P-+YZ        4-B+Y-  TXI   -G-+Y,  TXI   9-Z+Y-  TXI   -7-+Z1
77210  113165127102 -137710127106 -061771127107 -067600127110 -064773127112 -137710127114 -061771127051 -067600127052
       TXI   91V+Z2        $-8+Z6        0-Z+Z7        0-0+Z8        0P,+Z+        $-8+Z*        U-Z+YR        0-0+Y-
77220 -067600127053  000000036447  000001000110 -000602636427 -000013670073  020000000000  020000000000  020000000000
             D-0+Y$  HTR   000JUL  HTR   001018        -62TUG        -0-S0,  MPY   200000  MPY   200000  MPY   200000
77230  020000000000  000000000000  000000000000  000000000000  000070000020  100234136137  100573136237  113372130303
       MPY   200000  HTR   000000  HTR   000000  HTR   000000  HTR   00+00+  TXI   821-/7  TXI   85,-5-  TXI   9.--33
77240  076030130507  067372130637  065337131377  112714132007  075457132063 -003070132267 -124716132373 -127520132417
       PSE   7 H-57        6,--6-        6$----  TXI   9G*-+7  PXA   7---+T  TEFB  -H+-BX        -P--CL        ---+D-
77250 -125570132547 -121035133027 -123371133363 -125670133437 -000262133643  006763127055  113357127057  111152127061
             --Y-EP        -8--HG        -.Z-.T        ----I-        -25--L  TCOH- 0XT+Y-  TXI   9.--+-  TXI   99-+Y/
77260  110675127063  113105127064  106752127065  104542127066  104542127067 -003126127070 -003651127071 -122645127073
       TXI   96--+YT  TXI   915+YU  TXI   8X-+YV  TXI   8NK+YW  TXI   8NK+YX  TEFD  -IF+YY        --R+YZ        -FN+Y,
77270 -124175127100 -122645127101 -125022127102 -125022127103 -125022127104 -000000036655  000602000001 -000706237414
             -J-+Z0        -FN+Z1        -0B+Z2        -0B+Z3        -0B+Z4        -003W-  HTR   002001        -76C(*
77300 -000000000000  002000000000  002000000000  174000000000  174000000000  206650756400  000000000000  000000000000
             -00000  TRA   0+0000  TRA   0+0000  TXI   --0000  TXI   --0000  TIX   +WQ+U0  HTR   000000  HTR   000000
77310  000174000002  100000136655 -100000136655  014165130433  200000130637  200000130767  000000131323  200000131377
             01(002  TXI   800-W-  STR   000-W-        1 IY-4.  TIX   +00-6-  TIX   +00-7X  HTR   000--C  TIX   +00---
77320  200000131527  200000131603  173004131733  000000132213  013571132267  173004132547  200000132677  173004133027
       TIX   +00--G  TIX   +00--3  TXI   -H4--.  HTR   000-8-        1-Z-8*  TXI   -H4-EP  TIX   +00-F-  TXI   -H4-HG
77330  200000133157  173004133233  173004133307  200000133363  000000133511  200000133717  000504134123  000000134253
       TIX   +00-I-  TXI   -H4-+.  TXI   -H4-.7  TIX   +00-.T  HTR   00C---  TIX   +00---        054-JC  HTR   000-K$
77340  000000134327  000000134607  000000135067  173004135217  000000135347  200000135423  177454135703  014353136033
       HTR   000-LG  HTR   000-07  HTR   000-0X  TXI   -H4--- HTR   000-$P  TIX   +00--C  TXI   -(--3        IL$- .
77350  173004136107  000000136313  173004130563  200000131043  000000131173  000000131453  173004132063  173004132137
       TXI   -H4-/7  HTR   000-T-  TXI   -H4-5T  TIX   +00-8L  HTR   000-9,  HTR   000-*$  TXI   -H4-+T  TXI   -H4-A-
77360  000000132343  000000132417  173004132473  173004133437  000000133567  000000133773  002270134403  020371134457
       HTR   000-CL  HTR   000-D-  TXI   -H4-D,  TXI   -H4-I-  HTR   000--X  HTR   000--,  TRCA- 0BY-M3        23Z-M-
77370  173004134533  000000134737  173004135553  173004135627  006036136367  200000131117  173004132753  006612134177
       TXI   -H4-N.  HTR   000-P-  TXI   -H4--$  TXI   -H4--G  TCOA  0 --TX  TIX   +00-9-  TXI   -H4-G$  TCOG  0W+-J-
77400  000531134663  000000135013  173004135143  000000135477  173004130303  022603130357  000000130507  000000130713
             351-0(  HTR   000-Q-  TXI   -H4-R(  HTR   000---  TXI   -H4-33        2F3-3-  HTR   000-57  HTR   000-7-
77410  002054131657  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
       TRA   0+----  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000
                          WORDS  77420  TO  77477  ALL CONTAIN  000000000000
                                                               HTR   000000
77500 -000001077522  000340000000  000000077562  300016077522  314547026060 -206001026001  026001026060  016060606060
             -017-E        03-000  HTR   0007-S  TXH   H0-7-H  TXH   INP2    TNX       12 1  FMP   2 12            1
77510 -206060606060 -206060606060 -206044716760 -200160600060  030003606060 -206060606060 -206060606060 -206060606060
       TNX           TNX           TNX      MAX  TNX   1  0    FAD   303     TNX           TNX           TNX
77520 -206060606060 -206060606060  000000077502  300016077524  000001000041 -206060606060 -206060606060 -206060606060
       TNX           TNX           HTR   0007-2  TXH   H0-7-D  HTR   001(0J  TNX           TNX           TNX
77530 -206060606060 -206060606060 -206060606060 -206060606060 -206060606060 -206011111111  111111111111  111111111111
       TNX           TNX           TNX           TNX           TNX           TNX     9999  TXI   999999  TXI   999999
77540  111111111111  111160606060  000000077500  300016077544 -206002023360  006060020333 -200060600205  336000606002
       TXI   999999  TXI   99      HTR   0007-0  TXH   H0-7-M  TNX     27.   TCOA- 0  23.  TNX    0  25  TXH   . 0  2
77550  073360006040  021033600060 -000211336000 -204003003360  006340030133 -200060400302  336000606040  023360006060
             7. 0 -        28. 0        -29. 0  TNX     -30.  TCOA  0 -31.  TNX    0 -32  TXH   . 0  -          2. 0
```

```
77560 -20013306060  000000000000  000000077542  300016077602 -2011111116060 -206060606060 -206060606060 -206060606060
      TNX     1.0   HTR   000000  HTR   00070K  TXM   HO+7+2  T+K     999   TNX           TNX           TNX
                      WORDS  77570  TO  77577  ALL CONTAIN -206060606060
                                                            TNX
77600 -206060606060 -206060606060 -000000077604  003340000000  000000077602  300156077606 -206060606044  213145606325
      TNX           TNX                 -00704  TEFG  0.-000  HTR   00070+2  TXM   HI+7+6  TNX         N  TIX   A[% TE
77610 -226366316260  244645253360 -055023464447 -032562253360  000000000001  046060606060 -203145243123 -231300000000
      TNX   ST IS   TIX   DONE.          % COMP        LEIE.   HTR   000001        4       TNX    INDIC  TNX   T+0060
77620  000000000000  000160676060 -206060606060 -200033600060 -206060600033 -206060606060 -206060606060  003360006060
      HTR   000000         01      TNX           TNX     0. 0  TNX        0.  TNX           TNX           TEFG+ 0. 0
77630 -206060003360 -206060606060 -206060606060  000000000000  000000000000  000000000000  000000000000  000000000000
      TNX      0.   TNX           TNX           HTR   000000  HTR   000000  HTR   000000  HTR   000000  HTR   000000
                      WORDS  77640  TO  77777  ALL CONTAIN  000000000000
                                                            HTR   000000
$$$
```

LIST 1a

```
9 165221 0 $JOB      362   0,5,5000        65-424,FLAUGHER J.G.,MANAM


90 UNIT          0    PU    PR    A1    A2    A3    A4    A5    A6    A7    A8    A9    A0    B1    B2    B3    B4    B5    B6    B7
FUNCTION       S D   PCH   PRT   LP1   IN1   DR1   PP1   CK1                               UT1   UT2   UT3   UT4   CK2
SYMBOLIC                                                          A(9)  A(8)  A(7)  A(6)
40 LOGICAL       3    33    34    00    01    02    03    04    05    06    07    08    09    10    11    12    13    14    15    16
40 UNIT       DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK

90 UNIT          B0    C0    D0    E1    E2    E3    E4    E5    E6    F1    F     F3    F4    F5    F6
FUNCTION
SYMBOLIC
40 LOGICAL      17    18    19    20    21    22    23    24    25    26    27    28    29    30    31
40 UNIT       DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK


9 165221 0 $SETUP A(9)     226,DISK
9 165221 0 $SETUP A(8)     DISK,314
9 165221 0 $SETUP A(7)     1067,DISK
9 165221 0 $SETUP A(4)     DISK,1106
9 165221 0 $ATEND          00000,77777,6,DUMP
9 165221 0 $EXECUTE        IBJOB
9 165247 0 FILES READY FOR USE.....
9 165247 0 SYSOUT       FILE NAME          UNIT


9 165247 0              UNIT01              A0
9 165247 0              UNIT03              B6
9 165247 0              UNIT04              A9
9 165247 0              UNIT08              A7
9 165247 0              UNIT09              A6
9 165247 0              UNIT10              A8
9 165247 0              UNIT11              A8
9 165247 0              UNIT12              B7
9 165247 0              FILE2               A9
9 165301 0 EXECUTION
9 165303 0  INPUT CONVERTED
9 165437 0  UNIT   A9  FILE2              REMOVE  REEL 0001


9 165437 0  END OF  INPUT. SIMULATION COMPLETE.
9 165438 0  RESTART WRITTEN, LIFT SSZ AND PRESS START TO CONTINUE.
9 165439 0   1067 LINES OUTPUT.
9 165440 0 $DONE,
9 165440 0 $STOP

9 165440 0  PERIPHERAL FILE POSITIONS.AT END OF JOB

9 165440 0  SYSPRT              REC. 00001, FILE 00000
9 165440 0  SYSOUT              REC. 01830, FILE 00000
9 165440 0  SYSIN1              REC. 00001, FILE 00003

9 165440 0 END OF JOB
```

Best Available Copy

```
0 165443 0        SYSTEMS CORE DUMP TAKEN AT THIS POINT

IOJOB VERSION 5 HAS CONTROL.
$IBJOB          MSP
$IBLDR UN01                                                     UN01C000
$IBLDR UN03                                                     UN03C000
$IBLDR UN04                                                     UN04C000
$IBLDR UN08                                                     UN08C000
$IBLDR UN09                                                     UN09C000
$IBLDR UN10                                                     UN10C000
$IBLDR UN11                                                     UN11C000
$IBLDR UN12                                                     UN12C000
$IBLDR MAIN                                                     MAINC000
$IBLDR RDCCI                                          07/13/65  RDCCC000
$IBLDR RTOF                                                     RTOFC000
$IBLDR RPOINT                                                   RPOIC000
$IBLDR NETGEN                                                   NETGC000
$IBLDR ISUMAI                                         06/22/65  ISUMC000
$IBLDR GENXYI                                         06/22/65  GENXC000
$IBLDR PUTRE                                          06/22/65  PUTRC000
$IBLDR CONLC                                          06/22/65  CONSC000
$IBLDR RSPIII                                         06/22/65  RSPIC000
$IBLDR IPTCO                                          06/22/65  IPTCC000
$IBLDR METAI                                          06/22/65  METAC000
$IBLDR NETCT                                          06/22/65  NETAC000
$IBLDR NETSIM           14 NOV 65                               NETSI000
$IBLDR READC                                          11/01/65  READC000
$IBLDR TPCPI                                          11/01/65  TPCRC000
$IBLDR RONETI                                         11/01/65  RONEC000
$IBLDR WRTAEI                                         11/01/65  WRTNC000
$IBLDR GPRTI                                          11/01/65  GPRTC000
$IBLDR DUMMY1           22 OCT 64  20/34/53                     DUMMY100
$IBLDR DUMMY2           22 OCT 64  20/34/53                     DUMMY200
$IBLDR NETCH                                          06/22/65  NETCC000
$ENTRY          MAIN

                IBLDR                                           11/22/65                        PAGE  1

                   OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

$ORIGIN         RCLINK                  IS LINK   1, PARENT LINK IS   0

$ORIGIN         BLLINK                  IS LINK   2, PARENT LINK IS   0

$ORIGIN         BLLINK                  IS LINK   3, PARENT LINK IS   0

$ORIGIN         RCLINK                  IS LINK   4, PARENT LINK IS   0

$ORIGIN         RETAX4,12288            IS LINK   5, PARENT LINK IS   4

$ORIGIN         GAMMA2,30000            IS LINK   6, PARENT LINK IS   5
                IBLDR                                           11/22/65                        PAGE  2

                        * MEMORY MAP *

SYSTEM                                  00000 THRU  02717
FILE BLOCK ORIGIN                       02720
FILES       1.      UNIT05
            2.      UNIT03
            3.      UNIT04
            4.      UNIT08
            5.      UNIT09
            6.      UNIT10
            7.      UNIT11
            8.      UNIT12
            9.      FILE2
           10.      UNIT05
           11.      UNIT06
FILE LIST ORIGIN                        03124
PRE-EXECUTION INITIALIZATION            03152
CALL ON OBJECT PROGRAM                  03203
SYSTEM WORK AREA                        03210 THRU  76057

LINK  DECK  ORIGIN        CONTROL SECTIONS  (NAME/ADDR OF ORIGIN, ELOC)=DEFINED, **NOT REFERENCED)

  0  UN01    03210        .UN01.  03210
     UN03    03211        .UN03.  03211
     UN04    03212        .UN04.  03212
     UN08    03213        .UN08.  03213
     UN09    03214        .UN09.  03214
     UN10    03215        .UN10.  03215
     UN11    03216        .UN11.  03216
     UN12    03217        .UN12.  03217
     MAIN    03220        MAIN    (03220)
     RDCCI   03332        RDCC    03965
     RTOF    03611        RTOF    (03611)    RTOF    (03611)
     RPOINT  03710        RPOINT  (03710)
     .LINK   03745        /.LOC   / 03744    /.LOC   / 03753    /.LOC   / 03767
     .LOCON  04000        .LESIM  04000      .LESTP  04010      .LEOUT  04030      .LEXEC  04070      IPRINT  04070 *
                          .LEOAD  04073 *    .LEPRM  04073      .OMCLS  04255 *    .LESAV  04417      .LO     04440 *
                          .CLSF   04444      .LEPHL  04447 *    .LESP   04457      .OPCUT  04451
     .IOSEV  04455        .OPEIN  04455      .STTAC  04455 *    .CLOSE  04462      .OPEN   04465      .READ   04467
                          .WRITE  04471      .WSH    04491      .SCADM  04511      .LEEES  04513 *    .LAMES  04524
                          .LEMIA  04534      .LEXP   04545 *    .WRITI  04557      .LOWS   04571      .STBRY  04571
                          .LOS    04[illegible]      .[illegible]    04[illegible]      .[illegible]    04[illegible]      .CPMSI  04647
                          .LEIN   04647
     .LEUNY  04674        .LEUNY  (04674)    .LEX    (04744)    .LEXCT  (04[illegible])    .LEXC   (03743)
     .LESL   05[illegible]        .LESCL  05[illegible]      [illegible]     05[illegible]      .LESTR  05[illegible] *    .LEXCT  05[illegible] *
                          .LEINS  05[illegible]      .LEXIT  05[illegible]      .LEPIN  05[illegible]      .LEIOR  05[illegible] *
     .IPTCP  [illegible]  .IPRIT  [illegible] *      .RPOUT  05[illegible]      .PARA   05[illegible]      /.LEXCT/ 05[illegible] *    .PRSCP  05[illegible] *
     .[illegible]         .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]
     .[illegible]         .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]
     .[illegible]         .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]
     .FIT    [illegible]  .FIT    05642      .FIT.   05642      .[illegible]       .[illegible]       .[illegible]
     .[illegible]         .[illegible]       (05651)            .[illegible]       .[illegible]       .[illegible]       .[illegible]       /.[illegible]/ 06270 *
     .[illegible]         .[illegible]       .[illegible]
     .[illegible]         .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]
                          .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible] *
                          .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]       .[illegible]
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                    .AOUT   07706    .DOUT   07717    .LOUT   07745    .DFLT   07756    .FLT    10273
                    .FXFL1  10400    .FXD    10404    .FXFL2  10407    .FXFL3  10413    .INTG   10417
                    .TOPAC  10435    .WIDTH  10441    .FPACK  10446    .TEST   10447    .KOUNT  10502
                    .LIST   10505    .CONE   10513    .OUTBF  11202    .CHAR   11434    .FHDBF  11447
                    .CODFL  11476    .DOFLG  11477    .WORD   11500    .MOD    11501    .PEX    11502
                    .FEXP   11503    .DIG    11504    .DEXPN  11505
    FIOB    11523   .FIOB.  11523    .FCNT   11624    .FBLT.  11722    .FBOT.  11742    .FRLR.  11766
                    .FRLR.  (11766)  .FWLR.  12032    .FWLR.  (12032)  .FBIBF  12072    .FWITE  12166
    FIOS    12175   .FIOS.  12175    .FSEL.  12335    .FILR.  12341 *  .FRTB.  12350    .FRTD.  12355
                    .FILL.  12360    .FCLS   12362 *  .FOPN   12366 *  REOF    12372 *  .TOUT.  12535
                    .REEC   12543 *  .BIN   12544 *  .FCT    12545    .FCKSZ  12547
    FIOH    12631   .FIOH.  12631    .FFIL.  13472    .FRTN.  13520
    FWRD    13672   .FWRC.  13672
    FWRB    13716   .FWRB.  13716
    FRDD    13742   .FRDC.  13742
    FRDB    13770   .FRDB.  13770
    FPRN    14014   .FPRN.  14014
    .UN02.  14152   .UN02.  (14152)
    UN05    14153   .UN05.  14153
    UN06    14154   .UN06.  14154    .BUFSZ  14155
    .UN07.  14160    UN07.  (14160)
    .UN13.  14161   .UN13.  (14161)
    .UN14.  14162   .UN14.  (14162)
    .UN15.  14163   .UN15.  (14163)
    .UN16.  14164   .UN16.  (14164)
    .UN17.  14165   .UN17.  (14165)
    .UN18.  14166   .UN18.  (14166)
    FSQR    14167   SQRT    14167
    FBST    14242   .FBST.  14242
    FEFT    14463   .FEFT.  14463
    FRWT    14563   .FRWT.  14563
    FSLBI   14662   .FBLI.  14700    .FBDI.  14706 *
    FSLI    14720   .SLI.   14720    .SLII.  14725    .SDI.   14733    .SDII.  14741
    FSLDO   14757   .FSLC.  14775    .FSDO.  15003 *
    FSLO            [illegible]      [illegible]      [illegible]      [illegible]
    FVIO    15111   .FVIC.  15111
    .IOCS   15235   .L(0)   15235    .MONSW  15255    .TEOR   15324    .DEFI.  15454    .JOINX  15450 *
                    .CLOS.  15467    .ATTC.  15502    .SH1    15714 *  .SH9    15756 *  .OPEN.  1577.
                    .OP4    16025 *  .OP7    16056 *  .OP9.2  16072 *  .RLSE.  16136    .REP2.  16154
                    .READ.  16137    .REK1.  16162    .WRIT.  16164    .WNT1A  16352 *  .EOFEX  16433 *
                    .FEEIT  16503    .GTIOX  16524    .RW7    16642 *  .RE7    17261 *  .ENDTR  177.
                    .SEL59  17724 *  .BSR.   20235    .EOTOF  20460    .ETOF3  20466 *  .SWITC  20515
                    .TCHEX  21016    .BASIO  21021 *
    .IOCSM  21022

  1 NETGEN  21022    NETGEN (21022)   NETGEN (21022)
    ISUMA1  31305    ISUMA   31336
    GENXY1  31360    GENXY   32657
    PUTRE   32721    PUTREC  32756
    CONEC   33004    CONECT  33235
    RSF111  33350    RSF11   34220

  2 IPTCO   21022    IPTCON  22524

  3 NETA1   21022    NETAS1  32372
```



```
    NETA2   32414    NETAS2  34153

  4 NETSIM  21022    NETSIM (21022)   NETSIM (21022)
    READC   24644    READCO  25256
    TPCK1   25376    TPCK    25545
    RDNET1  25573    RDNET   25712
    WRTNE1  25740    WRTNET  26067
    GPRT1   26117    GPRT    26441

  5 DUMMY1  30000    DUMMY1 (30000)

  6 DUMMY2  72460    DUMMY2 (72460)
    NETCH   72500    NETCHG  73746

I/O BUFFERS                    74060 THRU  77763

UNUSED CORE                    77764 THRU  77777
CONTROL CARD
    READOP= 2
    NUMIN= 36
    NAMES= [illegible]
[illegible]
SET

READY CONTROL CARD

00000000004INP1  MAX  1  0 01   1  -0  -0  -0  -0  -0  -0  -0  -0
      READOP=  2
      NUMIN,  36
[illegible]
```

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01228521

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0874895
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3016841	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0874895
36. 1	1.2206304	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7440573	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3257502	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.92575
SUM NC. 2 IS 0.

*** 175 INPUT H1 INCENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.57104719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6515853	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6256498	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4281410
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5025675
31. 1	0.1252930	32. 1	0.5444663	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5873356	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3652047	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4287453	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5139492	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL MS = 0.01000000 BIAS = -0.35259332

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.00000

*** 176 INPUT V1 INCENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.17146730

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4949681	20. 1	0.
21. 1	0.	22. 1	0.8763535	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.9900721	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1510256	37. 1	0.	38. 1	0.7586175	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.9259743	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.8293353	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.12499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3931476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.93515
SUM NC. 2 IS 0.

*** 177 INPUT H2 INCENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47648705

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6216056	17. 1	0.	18. 1	0.	19. 1	0.0557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6363574	24. 1	0.4945638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6037672	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5232892	42. 1	0.5177894	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185910	48. 1	0.5153725	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1325988	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660848	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.03886440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507903	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.05079

*** 178 INPUT V2 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3599278
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0639796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473849	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236987	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3916533	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473609	58. 1	0.4931021	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256706
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246919	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.02469
SUM NC. 2 IS 0.

*** 179 INPUT H3 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.34731396

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531261	4. 1	0.6524734	5. 1	0.
6. 1	0.4980153	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7816653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6265058	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1629661	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7777945
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6242595	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6055416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.09832

*** 180 INPUT V3 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.49549717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.6610711	10. 1	0.6023995
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.5090115	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5838415	29. 1	0.	30. 1	0.
31. 1	0.3395671	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.8916459	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3155336	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.8090459
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9044387	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.90444
SUM NC. 2 IS 0.

*** 181 INPUT H4 INCENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.33080678

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4391701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6773159
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6896812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.6732562	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9470363	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.94704

*** 182 INPUT V4 INCENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17962439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2579659	3. 1	0.2348536	4. 1	0.	5. 1	0.
6. 1	0.6682307	7. 1	0.	8. 1	0.2909451	9. 1	0.1437645	10. 1	0.1804637
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601501	15. 1	0.
16. 1	0.0129849	17. 1	0.1371876	18. 1	0.0596554	19. 1	0.	20. 1	0.1242137
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1527030	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.1201557
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0832374	35. 1	0.
36. 1	0.	37. 1	0.3245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.0060296	44. 1	0.	45. 1	0.1103700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0553003
51. 1	0.	52. 1	0.	53. 1	0.0351514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1503333	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114509	67. 1	0.2928849	68. 1	0.	69. 1	0.2413419	70. 1	0.0471636
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.92942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.00000
SUM NC. 2 IS 0.

*** 183 INPUT [illegible] INCENTIFICATION CORRECT
MINPS=0000[illegible] NCYCS=[illegible] INDICT=0[illegible]

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.35737158

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342539	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424259	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6424106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7692440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340951	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.06385168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661580	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.36616

*** 184 INPUT V5 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.97900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445798	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9397683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.93977
SUM NC. 2 IS 0.

*** 185 INPUT H6 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.52698483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0388603	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5864330	13. 1	0.	14. 1	0.5850060	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4727939
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3755503	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1224253	37. 1	0.2724626	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5775579	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	[illegible]	0.	55. 1	0.6[illegible].478
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5482052	63. 1	0.3712490	64. 1	0.	65. 1	0.[illegible]3775
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.02549051

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9467377	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.39694

*** 186 INPUT V6 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.99549717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.6610711	10. 1	0.6053982
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.5090115	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5838415	29. 1	0.	30. 1	0.
31. 1	0.3395671	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.8916459	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3155336	52. 1	0.	53. 1	0	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.8980450
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9044387	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.90444
SUM NC. 2 IS 0.

*** 187 INPUT M4 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.32698483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0988608	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5864990	13. 1	0.	14. 1	0.5850060	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4727999
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3755503	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1224253	37. 1	0.2724626	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5775579	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6061478
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5482052	63. 1	0.3712490	64. 1	0.	65. 1	0.8073775
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.02549091

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9869377	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.98694

*** 188 INPUT V6 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.57104719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.[illegible]	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6256488	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4281410
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5025675
31. 1	0.1252930	32. 1	0.5444663	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5873556	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3652047	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4237453	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5139492	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.35259332

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.00000

*** 189 INPUT V1 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.37900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445796	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9397683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.93977
SUM NC. 2 IS 0.

*** 190 INPUT H6 INCENTIFICATION CORRECT
MINPS=00000000C000 NCYCS=000000CCC000 INDICT=0000000CC000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.53080678

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4391701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6773158
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6896812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.6732562	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9470363	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.94704

*** 191 INPUT V4 INCENTIFICATION CORRECT
MINPS=00000000C000 NCYCS=C00C00C0C000 INDICT=000000C00000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.17146730

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4949681	20. 1	0.
21. 1	0.	22. 1	0.8763535	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.9800721	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1510256	37. 1	0.	38. 1	0.7586175	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.9259743	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.8283353	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.12499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9851476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.98515
SUM NC. 2 IS 0.

*** 192 INPUT H2 INCENTIFICATION CORRECT
MINPS=00000000C000 NCYCS=C00000C0C000 INDICT=00000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01224521

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0874895
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3316841	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0874895
36. 1	1.2208304	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7440573	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9257502	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.92575
SUM NO. 2 IS 0.

*** 193 INPUT H1 INCENTIFICATION CORRECT
MINPS=0000000000000 NOYCS=0000000000000 INDICT=0000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.35737558

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342539	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424259	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6424106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7692440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340951	68. 1	0	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.06385168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661560	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 0.96616

*** 194 INPUT V2 INCENTIFICATION CORRECT
MINPS=0000000000000 NOYCS=0000000000000 INDICT=0000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47648905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6216056	17. 1	0.	18. 1	0.	19. 1	0.0557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6363574	24. 1	0.4345638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6039872	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5232832	42. 1	0.5177834	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185910	48. 1	0.5153725	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1325888	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660448	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.03986440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507905	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.05079

*** 195 INPUT V2 INCENTIFICATION CORRECT
MINPS=0000000000000 NOYCS=0000000000000 INDICT=0000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.34731396

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531261	4. 1	0.6524794	5. 1	0.
6. 1	0.4584159	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7815653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	19. 1	0.6265358	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1628661	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	39. 1	0.	39. 1	0.	40. 1	0.7777885
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6242595	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6855416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.09832

*** 196 INPUT V3 INCONTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3599279
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0639796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473849	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236987	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3916533	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473603	58. 1	0.4931021	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256766
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246918	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.02469
SUM NO. 2 IS 0.

*** 197 INPUT H3 INCONTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17862439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2579659	3. 1	0.2348536	4. 1	0.	5. 1	0.
6. 1	0.6692307	7. 1	0.	8. 1	0.2809451	9. 1	0.1437645	10. 1	0.1804692
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601501	15. 1	0.
16. 1	0.0129849	17. 1	0.1971876	18. 1	0.0596554	19. 1	0.	20. 1	0.1242127
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1557086	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.2501552
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0892374	35. 1	0.
36. 1	0.	37. 1	0.3245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.0060296	44. 1	0.	45. 1	0.1193700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0559063
51. 1	0.	52. 1	0.	53. 1	0.0851514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1803353	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114508	67. 1	0.2628849	68. 1	0.	69. 1	0.2413419	70. 1	0.0471635
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.32942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.00000
SUM NO. 2 IS 0.

*** 198 INPUT H5 INCONTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 PS = 0.20000000 BIAS = -1.57104719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6515853	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6256489	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4281417
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5025575
31. 1	0.1252930	32. 1	0.5444663	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5973556	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3652247	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4287453	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5139432	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 PS = 0.01000000 BIAS = -0.35259332

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.00000

*** 199 INPUT V1 INCENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 PS = 0.20000000 BIAS = -1.34731396

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531261	4. 1	0.4524794	5. 1	0.
6. 1	0.4584159	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7316653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6265059	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1628561	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7777365
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6242595	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6855416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 PS = 0.01000000 BIAS = -0.32831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.09832

*** 200 INPUT V3 INCENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 PS = 0.20000000 BIAS = -1.17146730

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4949581	20. 1	0.
21. 1	0.	22. 1	0.8763535	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.9800721	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1510256	37. 1	0.	38. 1	0.7586175	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.9259743	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.9283353	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 PS = 0.01000000 BIAS = -3.12499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9851476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.98515
SUM NC. 2 IS 0.

*** 201 INPUT V2 INCENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 2 WS = 0.20000000 BIAS = -1.2696693

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0449654	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5466499	13. 1	0.	14. 1	0.1850060	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4727939
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3755503	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1224693	37. 1	0.2724628	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.1775573	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6761478
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5442052	63. 1	0.3722430	64. 1	0.	65. 1	0.5575775
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 WS = 0.10000000 BIAS = -2.7254490991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.5969377	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.38694

*** 2C2 INPUT V6 INCORRECT IDENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

5 BIAS CHANGES

LEVEL 2 WS = 0.20000000 BIAS = -0.83569717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.6610741	10. 1	0.6053934
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.5790113	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5938415	29. 1	0.	30. 1	0.
31. 1	0.3395671	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.9916459	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7155336	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.8960450
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 WS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9244387	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.90444
SUM NC. 2 IS 0.

*** 2C3 INPUT H4 INCORRECT IDENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

3 BIAS CHANGES

LEVEL 1 WS = 0.20000000 BIAS = -0.81226521

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3.	0.	4. 1	0.	5. 1	1.0874835
6. 1	0.	7. 1	0.	8.	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13.	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3916841	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0874835
36. 1	1.2208304	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7440573	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 WS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9257502	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.92575
SUM NC. 2 IS 0.

*** 2C4 INPUT H5 INCORRECT IDENTIFICATION CORRECT
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.37900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445798	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9337683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.93977
SUM NC. 2 IS 0.

*** 205 INPUT H6 INCENTIFICATION CORRECT
MINPS=00000000000 NCYCS=00000000000 INDICT=00000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.53080678

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4391701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6773150
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6896812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.6732562	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.39999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9470363	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.34704

*** 206 INPUT V4 INCENTIFICATION CORRECT
MINPS=00000000000 NCYCS=00000000000 INDICT=00000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.35737558

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342539	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424254	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6424106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7692440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340951	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.06381168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661580	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.96616

*** 207 INPUT V5 INCENTIFICATION CORRECT
MINPS=00000000000 NCYCS=00000000000 INDICT=00000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47641905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0216055	17. 1	0.	18. 1	0.	19. 1	0.0557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6353574	24. 1	0.4945638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0039372	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5232602	42. 1	0.5177894	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185910	48. 1	0.5153725	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1325888	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660946	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.03886440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507903	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.05079

*** 208 INPUT V2 INCENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17862439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2574659	3. 1	0.2348596	4. 1	0.	5. 1	0.
6. 1	0.2682307	7. 1	0.	8. 1	0.2809451	9. 1	0.1437645	10. 1	0.1804692
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601201	15. 1	0.
16. 1	0.0129849	17. 1	0.1971876	18. 1	0.0596554	19. 1	0.	20. 1	0.1242127
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1557086	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.2501552
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0892374	35. 1	0.
36. 1	0.	37. 1	0.3245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.0060236	44. 1	0.	45. 1	0.1193700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0559063
51. 1	0.	52. 1	0.	53. 1	0.0851514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1803353	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114508	67. 1	0.2628349	68. 1	0.	69. 1	0.2413419	70. 1	0.0471636
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.92942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.00000
SUM NC. 2 IS 0.

*** 209 INPUT H5 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.2599278
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0639796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473843	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236381	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3916	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473603	58. 1	0.4931021	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256766
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246918	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.02469								
SUM NC. 2 IS	0.								

*** 210 INPUT H3 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.33249859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3050635	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2080116	13. 1	0.	14. 1	0.2390993	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0414699
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0572440
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2601243
31. 1	0.8760247	32. 1	0.0547679	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1884186	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5756022	44. 1	0.0836169	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4375194	55. 1	0.1393166
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.3194349	62. 1	0.6548767	63. 1	0.	64. 1	0.	65. 1	0.4329936
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.76293433

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0817013	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.08170								

*** 211 INPUT VL I INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.76236363

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.2219988	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7856527	12. 1	0.	13. 1	0.3552541	14. 1	0.	15. 1	0.
16. 1	0.3936562	17. 1	0.	18. 1	0.	19. 1	0.2532777	20. 1	0.2506133
21. 1	0.	22. 1	0.	23. 1	0.1867040	24. 1	0.0525403	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.1744899
31. 1	0.	32. 1	0.3076047	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.3871626	42. 1	0.2524542	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6703501	48. 1	0.	49. 1	0.4037300	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1191306	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0810568	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.3857848	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.84813987

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.00000								

*** 212 INPUT VL 7 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.71191531

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.3799558	5. 1	0.
6. 1	0.0026963	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3360054
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.1281925	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.4352667	24. 1	0.4745522	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.7203698	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7116243
41. 1	0.2305169	42. 1	0.2969022	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0629093	48. 1	0.6781086	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0499349	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.2902039	60. 1	0.4543160
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1092239	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.25714128

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9507047	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 0.95070

*** 213 INPUT VL 13 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.72256105

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.7961172	4. 1	0.0165631	5. 1	0.4817264
6. 1	0.2734162	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4304716
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0624330
16. 1	0.	17. 1	0.	18. 1	0.5948559	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1811075	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0813018	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.4715677
46. 1	0.4798480	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4780446	52. 1	0.5301555	53. 1	0.3689014	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2481207	70. 1	0.1320917
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.63053045

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.00000

*** 214 INPUT VL 19 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.81303000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6414149
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2642612	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2656238	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.3903382	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.2656719
46. 1	0.1346613	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6313339
51. 1	0.3139764	52. 1	0.2357465	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.5202575	67. 1	1.0573706	68. 1	0.	69. 1	0.4502560	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0934419	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.09344

*** 215 INPUT VL 25 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.51134555

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	1.0178206	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3573583	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2070012	13. 1	0.0463749	14. 1	0.1960589	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1319856	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2138516
26. 1	0.0511964	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1897841	35. 1	0.
36. 1	0.	37. 1	0.2473299	38. 1	0.	39. 1	0.2132333	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2258836	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1448356
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.3598727
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.7269236	64. 1	0.1428860	65. 1	0.2557398
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

[illegible] BIAS CHANGES

LEVEL [illegible] MS = [illegible] BIAS [illegible]

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	[illegible]	2. 1	[illegible]	3. 1	[illegible]	4. 1	[illegible]	5. 1	[illegible]
6. 1	[illegible]	7. 1	[illegible]	8. 1	[illegible]	9. 1	[illegible]	10. 1	[illegible]
11. 1	[illegible]	12. 1	[illegible]	13. 1	[illegible]	14. 1	[illegible]	15. 1	[illegible]
16. 1	[illegible]	17. 1	[illegible]	18. 1	[illegible]	19. 1	[illegible]	20. 1	[illegible]
21. 1	[illegible]	22. 1	[illegible]	23. 1	[illegible]	24. 1	[illegible]	25. 1	[illegible]
26. 1	[illegible]	27. 1	[illegible]	28. 1	[illegible]	29. 1	[illegible]	30. 1	[illegible]
31. 1	[illegible]	32. 1	[illegible]	33. 1	[illegible]	34. 1	[illegible]	35. 1	[illegible]
36. 1	[illegible]	37. 1	[illegible]	38. 1	[illegible]	39. 1	[illegible]	40. 1	[illegible]
41. 1	[illegible]	42. 1	[illegible]	43. 1	[illegible]	44. 1	[illegible]	45. 1	[illegible]
46. 1	[illegible]	47. 1	[illegible]	48. 1	[illegible]	49. 1	[illegible]	50. 1	[illegible]
51. 1	[illegible]	52. 1	[illegible]	53. 1	[illegible]	54. 1	[illegible]	55. 1	[illegible]
56. 1	[illegible]	57. 1	[illegible]	58. 1	[illegible]	59. 1	[illegible]	60. 1	[illegible]
61. 1	[illegible]	62. 1	[illegible]	63. 1	[illegible]	64. 1	[illegible]	65. 1	[illegible]
66. 1	[illegible]	67. 1	[illegible]	68. 1	[illegible]	69. 1	[illegible]	70. 1	[illegible]
71. 1	[illegible]	72. 1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2 BIAS CHANGES

LEVEL 2 MS = [illegible] BIAS = [illegible]

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	[illegible]	2. 2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUM NC. 1 IS [illegible]
SUM NC. 2 IS [illegible]

*** 217 INPUT VL1-19 INCONTIFICATION CORRECT
MINPS=[illegible] NCYCS=[illegible] INDICE=[illegible]

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.57746726

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0720267	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6270032	12. 1	0.	13. 1	0.493271	14. 1	0.	15. 1	0.6665446
16. 1	0.2340245	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.2095422
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0662334	33. 1	0.	34. 1	0.1728631	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.4342140	47. 1	0.2396733	48. 1	0.	49. 1	0.0577336	50. 1	0.713652
51. 1	0.0051945	52. 1	0.5547774	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1342263	57. 1	0.2961036	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0861293	65. 1	0.
66. 1	0.	67. 1	0.3164753	68. 1	0.	69. 1	0.0770369	70. 1	0.
71. 1	0.1208077	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.10000000 BIAS = 0.69537531

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.00000

*** 218 INPUT VL3-25 INCONTIFICATION CORRECT
MINPS=[illegible] NCYCS=[illegible] INDICE=[illegible]

4 BIAS CHANGES

LEVEL [illegible] MS = 0.20000000 BIAS = -0.40126327

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	[illegible]	2. 1	[illegible]	3. 1	[illegible]	4. 1	[illegible]	5. 1	0.0066471
6. 1	[illegible]	7. 1	[illegible]	8. 1	0.7047369	9. 1	[illegible]	10. 1	0.
11. 1	[illegible]	12. 1	[illegible]	13. 1	0.	14. 1	[illegible]	15. 1	0.0155510
16. 1	[illegible]	17. 1	[illegible]	18. 1	[illegible]	19. 1	[illegible]	20. 1	0.
21. 1	[illegible]	22. 1	[illegible]	23. 1	[illegible]	24. 1	[illegible]	25. 1	0.
26. 1	[illegible]	27. 1	0.5517577	28. 1	[illegible]	29. 1	[illegible]	30. 1	0.
31. 1	[illegible]	32. 1	[illegible]	33. 1	[illegible]	34. 1	0.1435153	35. 1	0.6106347
36. 1	[illegible]	37. 1	[illegible]	38. 1	[illegible]	39. 1	[illegible]	40. 1	0.
41. 1	[illegible]	42. 1	[illegible]	43. 1	[illegible]	44. 1	[illegible]	45. 1	0.
46. 1	[illegible]	47. 1	[illegible]	48. 1	[illegible]	49. 1	[illegible]	50. 1	0.
51. 1	[illegible]	52. 1	[illegible]	53. 1	[illegible]	54. 1	[illegible]	55. 1	0.
56. 1	[illegible]	57. 1	[illegible]	58. 1	[illegible]	59. 1	[illegible]	60. 1	0.
61. 1	[illegible]	62. 1	[illegible]	63. 1	[illegible]	64. 1	[illegible]	65. 1	0.
66. 1	0.0371633	67. 1	[illegible]	68. 1	[illegible]	69. 1	[illegible]	70. 1	0.
71. 1	[illegible]	72. 1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0. 0	0.

6 BIAS CHANGES

LEVEL [illegible] MS = [illegible] BIAS = [illegible]

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SUM NC. [illegible]
SUM NC. [illegible]

*** 219 INPUT [illegible] INCONTIFICATION [illegible]
MINPS=[illegible] NCYCS=[illegible] INDICE=[illegible]

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.57996345

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.5772390
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.6379477	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.6506870	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4302557	33. 1	0.	34. 1	0.	35. 1	0.1518250
36. 1	0.9878107	37. 1	0.	38. 1	0.0643302	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.1025680	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0436029	64. 1	1.1253791	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.4680481	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9845240	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.98452
SUM NC. 2 IS 0.

*** 220 INPUT HL 2 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54213248

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1078246	20. 1	0.
21. 1	0.6138025	22. 1	1.0021327	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.6218961	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.8431067	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.7463893	58. 1	0.1198085	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.4377689	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0583368	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.05834
SUM NC. 2 IS 0.

*** 221 INPUT HL 3 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54347049

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.5405315	10. 1	0.3657787
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.4258749	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.5141757	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9843464	29. 1	0.	30. 1	0.
31. 1	0.2694005	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3181682	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2230145	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.3592850	58. 1	0.4664422	59. 1	0.0227169	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4497262
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0098029	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.00980
SUM NC. 2 IS 0.

*** 222 INPUT HL 4 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17031884

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0002910	3. 1	0.1659021	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.4071825	10. 1	0.5006926
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0440274	15. 1	0.0895393
16. 1	0.1773142	17. 1	0.3216051	18. 1	0.0126837	19. 1	0.	20. 1	0.0835358
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0607091	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2272556	30. 1	0.0734020
31. 1	0.3126329	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.7820135	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1072863	47. 1	0.	48. 1	0.	49. 1	0.0365823	50. 1	0.
51. 1	0.2849252	52. 1	0.2513660	53. 1	0.0138897	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.0388265	68. 1	0.	69. 1	0.3998889	70. 1	0.7266371
71. 1	0.	72. 1	0.1113536	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.88965291

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.00000
SUM NC. 2 IS 0.

*** 223 INPUT HL 5 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.22926711

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0817747	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.0954331	7. 1	0.	8. 1	0.8980173	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0538785	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0360485	25. 1	0.0778873
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0287964
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0319449	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.9341314	43. 1	0.0439877	44. 1	0.	45. 1	0.2803791
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.4827160
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1695290	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.6484644	67. 1	0.0200372	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.67959800

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9726555	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.97266
SUM NC. 2 IS 0.

*** 224 INPUT HL 6 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.35390979

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1701413
6. 1	0.	7. 1	0.2485159	8. 1	0.0695006	9. 1	0.2164244	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1344462	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.3226643	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0272550	27. 1	0.6774977	28. 1	0.1644213	29. 1	0.	30. 1	0.
31. 1	0.5387843	32. 1	0.	33. 1	0.	34. 1	0.1172507	35. 1	0.5390995
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.4554430	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.3133196	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2543865	52. 1	0.	53. 1	0.0335698	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.4024778	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0650727	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2181649	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0147142	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.34303324

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0006047	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.00060
SUM NC. 2 IS 0.

*** 225 INPUT HL 1-4 INCENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.7493741

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2270757	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.1912821	7. 1	0.	8. 1	0.1553330	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.2089134	19. 1	0.	20. 1	0.
21. 1	0.1521496	22. 1	0.3375049	23. 1	0.	24. 1	0.3359373	25. 1	0.0906147
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4251041	33. 1	0.0281710	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2732116	39. 1	0.	40. 1	0.
41. 1	0.0663018	42. 1	0.3034183	43. 1	0.	44. 1	0.	45. 1	0.797501
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0905049
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.0170517
56. 1	0.	57. 1	0.5849103	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.1030342	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.3443391	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.00699231

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9964733	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.99648
SUM NC. 2 IS 0.

*** 226 INPUT HL 3-6 IDENTIFICATION CORRECT

MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.06944443

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0694453	2. 1	0.0694444	3. 1	0.0694444	4. 1	0.0694440	5. 1	0.0694446
6. 1	0.0694446	7. 1	0.0694444	8. 1	0.0694447	9. 1	0.0694442	10. 1	0.0694440
11. 1	0.0694444	12. 1	0.0694446	13. 1	0.0694446	14. 1	0.0694446	15. 1	0.0694442
16. 1	0.0694444	17. 1	0.0694444	18. 1	0.0694447	19. 1	0.0694224	20. 1	0.0694442
21. 1	0.0694440	22. 1	0.0694444	23. 1	0.0694446	24. 1	0.0694444	25. 1	0.0694440
26. 1	0.0694446	27. 1	0.0694442	28. 1	0.0694444	29. 1	0.0694444	30. 1	0.0694440
31. 1	0.0694442	32. 1	0.0694449	33. 1	0.0694440	34. 1	0.0694442	35. 1	0.0694449
36. 1	0.0694442	37. 1	0.0694538	38. 1	0.0694449	39. 1	0.0694442	40. 1	0.0694444
41. 1	0.0694446	42. 1	0.0694451	43. 1	0.0694449	44. 1	0.0694444	45. 1	0.0694367
46. 1	0.0694461	47. 1	0.0694444	48. 1	0.0694442	49. 1	0.0694442	50. 1	0.0694451
51. 1	0.0694451	52. 1	0.0694453	53. 1	0.0694444	54. 1	0.0694451	55. 1	0.0694446
56. 1	0.0694470	57. 1	0.0694446	58. 1	0.0694440	59. 1	0.0694447	60. 1	0.0694444
61. 1	0.0694444	62. 1	0.0694449	63. 1	0.0694440	64. 1	0.0694442	65. 1	0.0694444
66. 1	0.0694393	67. 1	0.0694336	68. 1	0.0694444	69. 1	0.0694451	70. 1	0.0694442
71. 1	0.0694442	72. 1	0.0694442	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.49999064

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4999972	2. 2	0.5000028	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.50000
SUM NC. 2 IS 0.50000

*** 227 INPUT ZERO IDENTIFICATION INCORRECT.
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.06943481

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0694898	2. 1	0.0694215	3. 1	0.0694077	4. 1	0.0694236	5. 1	0.0694230
6. 1	0.0694352	7. 1	0.0694475	8. 1	0.0694493	9. 1	0.0694542	10. 1	0.0693462
11. 1	0.0694513	12. 1	0.0694548	13. 1	0.0694415	14. 1	0.0694474	15. 1	0.0694367
16. 1	0.0695062	17. 1	0.0694473	18. 1	0.0694620	19. 1	0.0694045	20. 1	0.0694336
21. 1	0.0694309	22. 1	0.0694147	23. 1	0.0694152	24. 1	0.0694579	25. 1	0.0694336
26. 1	0.0694371	27. 1	0.0694536	28. 1	0.0694295	29. 1	0.0694598	30. 1	0.0694401
31. 1	0.0694320	32. 1	0.0694826	33. 1	0.0694162	34. 1	0.0694309	35. 1	0.0693956
36. 1	0.0694371	37. 1	0.0694492	38. 1	0.0694635	39. 1	0.0694476	40. 1	0.0694542
41. 1	0.0694544	42. 1	0.0694421	43. 1	0.0694828	44. 1	0.0694187	45. 1	0.0694269
46. 1	0.0694213	47. 1	0.0694333	48. 1	0.0694300	49. 1	0.0694548	50. 1	0.0694326
51. 1	0.0694432	52. 1	0.0694322	53. 1	0.0694325	54. 1	0.0694333	55. 1	0.0694167
56. 1	0.0694511	57. 1	0.0694361	58. 1	0.0694616	59. 1	0.0694493	60. 1	0.0694237
61. 1	0.0694433	62. 1	0.0694258	63. 1	0.0694320	64. 1	0.0694091	65. 1	0.0694294
66. 1	0.0694518	67. 1	0.0693991	68. 1	0.0694418	69. 1	0.0694183	70. 1	0.0694571
71. 1	0.0694475	72. 1	0.0694406	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.50000000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4999400	2. 2	0.4999919	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.49994
SUM NC. 2 IS 0.49999

*** 228 INPUT ALL IDENTIFICATION INCORRECT.
MINPS=0000000000000 NCYCS=0000000000000 INDICT=0000000000000

END OF INPUT. SIMULATION COMPLETE.

MAIN TEST IS OPEN.

```
   AC            MQ          SENSE INC        KEYS          XR1       XR2       XR3       XR4       XR5       XR6       XR7
002100004522  002117001055  C01202003074  000000000 000   67276     77476     00000     71666     00000     00000     00000
                                                         -10502    -00302    -00000    -06112    -00000    -00000    -00000
          INDICATORS                                SENSE LIGHTS          MQ LOC          SENSE SWITCHES
0-31 P-81  TRAP  OCT  ICT  OFL          1     2     3     4     04525     1     2     3     4     5     6
 OFF  OFF   OFF   OFF  OFF  OFF        OFF   OFF   OFF   OFF             OFF   OFF   OFF   OFF   OFF   OFF
00000 000000000000 000000000000 002100000210 300001400033 002100004522 000000000000 000000000000 000000000000
      HTR   000000 HTR   000000 TTR   0A0028 HTR   001-0. TTR   0A0098 HTR   000000 HTR   000000 HTR   000000
00010 002100000210 000000000000 000000000000 002100001055 000000000000 002100001055 000000000000 002100001055
      TTR   0A0028 HTR   000000 HTR   000000 TTR   0A008* HTR   000000 TTR   0A008* HTR   000000 TTR   0A00**
00020 000000000000 002100001055 000000000000 300024002171 000000000000 000000000025 000000000000 000000000027
      HTR   000000 TTR   0ACC8* HTR   000000 TXH   H00*AZ HTR   000000 HTR   000000 HTR   000000 HTR   000000
00030 000000000000 000000000031 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
      HTR   000000 HTR   000001 HTR   000000 HTR   000000 HTR   000000 HTR   000000 HTR   000000 HTR   000000
                     WORDS  C0040  TO  00057  ALL CONTAIN  000000000000
                                                          HTR   000000
00060 000000000000 000000000000 000000000000 000000000001 205065005037 272746000000 000000000000 060065000025
      HTR   000000 HTR   000000 HTR   000000 HTR   000001 TIX   +0V00* TIX   000000 HTR   000000 STZ * 60V0+C
00070 060065000025 001202003074 001202003074 000000000000 000000000000 374466007777 -052000000710 056400000735
      STZ * 6CV0+E       0*20H( 0*20H( HTR   000000 HTR   000000 TXH   *W7P* NZT   N*0079 ENB   50007*
00100 002000006521 010102020605 312262706260 002000000232 000000000000 000000000000 000001000001 000020000147
      TRA   0*00/7       112265 TXH   IBSYS TRA   0*002* HTR   000000 HTR   000000 HTR   001001 HTR   00H01-
00110 000004000170 000004000174 000214000262 002000400001 002000000076 002100000210 000047000702 002000400002
      HTR   000401Y HTR   004C1( 02'025 TRA   0+0-01 TRA   0*000* TTR   0A0028 HTR   00P072 TRA   0+0-02
00120 002652077777 100276000224 000000000000 000000000000 -100000000000 100000000131 -000001000127 100000005404
      TRCE  0F-7** TXI   82*020 HTR   000000 HTR   000000 STR   000000 TXI   800011       -0101G TXI   8000*4
00130 100000000126 340000000131 312262706263 -000000000000 000000000667 000000000000 000000000000 000000000000
      TXI   80001F TXH   100011 TXH   IBSYST      -00000 HTR   000005 HTR   000000 HTR   000000 HTR   000000
00140 000001000276 000000000000 000000000000 000000000000 000013000262 000015000272 000014000266 000003000300
      HTR   00102* HTR   000000 HTR   000000 HTR   000000 HTR   00*02S HTR   00*02= HTR   00*02W HTR   003036
00150 000003000306 000002000302 000002000302 000004000312 000004000312 000005000316 000005000366 000001000346
      HTR   003036 HTR   002032 HTR   002032 HTR   00403* HTR   00403* HTR   00503* HTR   00503W HTR   001030
00160 000002000352 000003000356 000004000362 000000000000 000000000000 000000000000 000000000000 000000000000
      HTR   00203- HTR   003C3* HTR   004035 HTR   000000 HTR   000000 HTR   000000 HTR   000000 HTR   000000
00170 300015000262 000012000346 000006000416 000006000446 000043000342 000043000402 000043000416 000043000446
      TXH   HC*02S HTR   004030 HTR   006040 HTR   006040 HTR   00L03K HTR   00L042 HTR   00L04* HTR   00L040
00200 000174200477 200000000000 000000000000 000000000001 000000077777 000000004712 000000000000 000000000000
            011+4* TIX   +0CC00 HTR   000000 HTR   000001 HTR   0007** HTR   0000P* HTR   000000 HTR   000000
00210 052000000742 002000000214 052000000207 002100000212 -060000000223 056000000222 -060000000022 056000000223
      ZET   5+007K TRA   0+002' ZET   5+0027 TTR   0A002* STQ   00002C LDQ   5 002R STQ   0C000R LDQ   5 002C
00220 075000005000 002100000221 300012000000 000000000000 -050000000267 002000000240 060000000207 077400400214
      BTTE  7 0000 TTR   0AC02A HTR   00*000 HTR   000000 CAL   N0002/ TRA   0*002- STZ   600027 AXT   7(0-2'
00230 060000400477 200001400230 052000000207 002000000232 050000000256 060000000710 060000000300 060000000062
      STZ   600-4* TIX   +01-2H ZET   5+0027 TRA   0+002+ CLA   50002* STZ   600078 STZ   600030 STZ   600005
00240 052000000207 002000000240 060200000023 -050000000257 052000000062 -050000000260 060200000022 076000005000
      ZET   5+0027 TRA   0+002- SLW   620000 CAL   N0002* ZET   5+0005 CAL   N0002 SLW   62000R BTTE  7 0000
00250 052000000022 002000000250 050000000300 036100000203 060200000300 002000000076 -312262706260 000010000000
      ZET   5+0008 TRA   0+0020 CLA   500030 ACL   370023 SLW   62003C TRA   0+000* TXL   IBSYS HTR   000000
00260 000011000000 312245256763 001321000000       0*A000 HTR   000000       -00000 HTR   000000       0*J000 HTR   000000
      HTR   009000 TXH   IBNEXT 000000000000 000000000000 000000000000 000000000000 001341000000 000000000000
00270 -000000000000 000000000000 001361000000       0*/000 HTR   000000 HTR   000000 HTR   000000 HTR   000000
            -00000 HTR   000000 000000000000 000000000000 000000000047 000000000000 001201021616 000000000000
      HTR   000001 HTR   000000 001202003074       0*20H( HTR   000000 HTR   000001 HTR   000000       0*3018 HTR   000000
00300 000000000001 000000000000 001202003074 000000000000 000000000001 000000000000 001203003110 000000000000
      HTR   000001 HTR   000000       0*20H( HTR   000000 HTR   000001 HTR   000000       0*3018 HTR   000000
00310 600000003446 000000000000 001204011242 000000000000 000000000001 000000000000 001205000322 000000000000
      HTR   000010 HTR   000000       0*414K HTR   000000 HTR   000001 HTR   000000       0*503B HTR   000000
00320 -000000000000 000000000000 001206000000 000000000000 000000000000 000021741134 001207000322 000000000000
            -00000 HTR   000000       0*600C HTR   000000 HTR   000000 HTR   00A(91       0*703B HTR   000000
```

```
9 164519 0 $JOB     277   0,10,10000     65-424,FLAUGHER J.C.,MKMAP


90 UNIT        RD    PU    PR    A1    A2    A3    A4    A5    A6    A7    A8    A9    A0    B1    B2    B3    B4    B5    B6    B7
FUNCTION       CR1   PCH   PRT   LB1   IN1   CU1   PP1   CK1
SYMBOLIC                                                                A(9)  A(8)  A(7)  A(4)                  UT1   UT2   UT3   UT4   CK2
40 LOGICAL     32    33    34    00    01    02    03    04    05    06    07    08    09    10    11    12    13    14    15    16
40 UNIT       DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK

90 UNIT        B8    B9    B0    C1    C2    C3    C4    C5    C6    D1    D2    D3    D4    D5    D6
FUNCTION
SYMBOLIC
40 LOGICAL     17    18    19    20    21    22    23    24    25    26    27    28    29    30    31
40 UNIT       DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK


9 164519 0 $SETUP A(9)     226,DISK
9 164519 0 $SETUP A(4)     DISK,918
9 164519 0 $SETUP A(7)     1067,DISK
9 164519 0 $SETUP A(4)     DISK,1106
9 164519 0 $ATEND          00000,77777,6,DUMP
9 164519 0 $EXECUTE        IBJOB
9 164557 0 FILES READY FOR USE.....
9 164557 0 SYSUNI       FILE NAME          UNIT


9 164557 0              UNIT01             A0
9 164557 0              UNIT02             B6
9 164557 0              UNIT04             A9
9 164557 0              UNIT05             A7
9 164557 0              UNIT07             A6
9 164557 0              UNIT10             A8
9 164557 0              UNIT11             A8
9 164557 0              UNIT12             A7
9 164557 0              FILE2              A9


9 164612 0 EXECUTION
9 164614 0  INPUT CONVERTED
9 164738 0  UNIT   A7  FILE2            REMOVE  REEL 0001


9 164738 0  END OF INPUT. SIMULATION COMPLETE.
9 164738 0  RESTART WRITTEN. LIFT SS2 AND PRESS START TO CONTINUE.
9 164740 0   2165 LINES OUTPUT.
9 164741 0 $IBSYS
9 164741 0 $STOP

9 164741 0  PERIPHERAL FILE POSITIONS AT END OF JOB

9 164741 0  SYSPP1              REC. 0P001, FILE 00000
9 164741 0  SYSOU1              REC. 0202A, FILE 00000
9 164741 0  SYSIN1              REC. 00001, FILE 00003

9 164741 0 END OF JOB
9 164744 0       SYSTEMS CORE DUMP TAKEN AT THIS POINT


IBJOB VERSION 5 HAS CONTROL.
$IBJCB          MAP
$IBLCK UN01                                                    UN010000
$IBLDR UN03                                                    UN030000
$IBLCK UN04                                                    UN040000
$IBLCK UN08                                                    UN080000
$IBLDR UN09                                                    UN090000
$IBLDR UN10                                                    UN100000
$IBLDR UN11                                                    UN110000
$IBLDR UN12                                                    UN120000
$IBLDR MAIN                                                    MAIN0000
$IBLDR RDCCI                                     07/13/65      RDCC0000
$IBLDR RTDF                                                    RTDF0000
$IBLDR BPDINT                                                  BPDI0000
$IBLDR NETGEN                                                  NETG0000
$IBLDR ISUMAI                                    06/22/65      ISUM0000
$IBLDR GENXYI                                    06/22/65      GENX0000
$IBLDR PUTRE                                     06/22/65      PUTR0000
$IBLDR CONEC                                     06/22/65      CONE0000
$IBLDR RSFIII                                    06/22/65      RSFI0000
$IBLDR IPTCU                                     06/22/65      IPTC0000
$IBLDR META1                                     06/22/65      META0000
$IBLDR META2                                     06/22/65      META0000
$IBLDR NETSIP           19 NOV 65                              NETSIP00
$IBLDR READC                                     11/01/65      READ0000
$IBLDR IPCKI                                     11/01/65      IPCK0000
$IBLDR RDNETI                                    11/01/65      RDNE0000
$IBLDR WRTNEI                                    11/01/65      WRTN0000
$IBLDR GPRTI                                     11/01/65      GPRT0000
$IBLDR DUMMY1           22 OCT 64  20/34/53                    DUMMY100
$IBLDR DUMMY2           22 OCT 64  20/34/53                    DUMMY200
$IBLDR NETCH                                     06/22/65      NETC0000
$ENTRY          MAIN
```

OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

```
$ORIGIN     BEGINX              IS LINK   1, PARENT LINK IS   0
$ORIGIN     BEGINX              IS LINK   2, PARENT LINK IS   0
$ORIGIN     BEGINX              IS LINK   3, PARENT LINK IS   0
$ORIGIN     BEGINX              IS LINK   4, PARENT LINK IS   0
$ORIGIN     BETAXX,12288        IS LINK   5, PARENT LINK IS   4
$ORIGIN     GAMMAX,30000        IS LINK   6, PARENT LINK IS   5
```



```
                    * MEMORY MAP *

SYSTEM                              00000 THRU  02717
FILE BLOCK ORIGIN                   02720
FILES        1.     UNIT01
             2.     UNIT03
             3.     UNIT04
             4.     UNIT08
             5.     UNIT09
             6.     UNIT10
             7.     UNIT11
             8.     UNIT12
             9.     FILE2
            10.     UNIT05
            11.     UNIT06
FILE LIST ORIGIN                    03124
PRE-EXECUTION INITIALIZATION        03152
CALL ON OBJECT PROGRAM              03203
OBJECT PROGRAM                      03210 THRU  7405,

LINK  DECK  ORIGIN      CONTROL SECTIONS  (/NAME/=NON 0 LENGTH, (LOC)=DELETED, *=NOT REFERENCED)

  0  UN01    03210      .UN01.  03210
     UN03    03211      .UN03.  03211
     UN04    03212      .UN04.  03212
     UN08    03213      .UN08.  03213
     UN09    03214      .UN09.  03214
     UN10    03215      .UN10.  03215
     UN11    03216      .UN11.  03216
     UN12    03217      .UN12.  03217
     MAIN    03220      MAIN    (03220)
     RDCC1   03332      RDCC    03586
     BTOF    03631      BTOF    (03631)    BTOF    (03631)
     BPOINT  03710      BPOINT  (03710)
     .LINK   03744     /.LDT   / 03744    /.LRECT/ 03753    /.LVEC / 03767
     .LXCON  04005      .LXSTR  04005      .LXSTP  04010      .LXOUT  04056      .LXRTN  04070      IBEXIT  04070 *
                        .LXCAL  04073 *    .LXERR  04073      .DBCLS  04255 *    .LXARG  04417      .LO     04440 *
                        .CLSE   04446      .LFBL   04447 *    .LUNB   04450      .DFOUT  04451
     .IODFF  04455      .DEFIN  04455      .ATTAC  04461 *    .CLOSE  04463      .OPEN   04465      .READ   04467
                        .WRITE  04471      .BSR    04501      .READR  04511      .RELES  04513 *    .LAREA  04524
                        .LFBLK  04542      .LTSX   04545 *    .AREA1  04557      .LUNBL  04565      .ENTRY  04571
                        .GO4    04622      .GO     04626      .DERR   04642      .NOPXT  04643      .COMX1  04645
                        .EX34   04667
     .LOVRY  04674      .LOVRY  (04674)    .LDT    (03744)    .LRECT  (03753)    .LVEC   (03767)
     .LXSL   05253      .LXSEL  05253      LXCSEL  05254      .LXTST  05257 *    .LXCVL  05317 *    .LXRCT  05330 *
                        .LXIND  05377      .LXDIS  05402      .LXFLG  05403      .LTCH   05404
     .FPTRP  05412      .FPT.   05412 *    .FPOUT  05547      .FPARG  05555     /.COUNT/ 05557 *    OVFLOW  05623 *
     .ERAS.  05632      E.1     05632      E.2     05633      E.3     05634      E.4     05635
     .ACC.   05636      CC.1    05636      CC.2    05637      CC.3    05640      CC.4    05641
     XIT     05642      EXIT    05642      .EXIT.  05642
     FXEM    05643      FXEM    (05643)    .FXEM.  05646      .FXOUT  06206      .FXARG  06214     /.OPTW./ 06270 *
     FOUT    06301      .FOUT.  06301
     FCNV    06643      .FCON.  06643      .FCNV.  06664      .ENDFS  06671      .CNVSW  06674      .FDX1   06700
                        .FDX2   06701      .DBC    06703      .DBC10  07034      .DBC20  07072      .DDSW   07102
                        .FIXSW  07105      .DDBC   07143      .DDFIX  07264      .DDRS1  07460      .DDRS2  07462 *
                        .D1     07465      .D2     07467      .ANPT   07544      .ONPT   07561      .LNTP   07637
```



```
                        .AOUT   07706      .OOUT   07717      .LOUT   07746      .DFLT   07756      .FLT    10273
                        .FXFL1  10400      .FXC    10404      .FXFL2  10407      .FXFL3  10413      .INTG   10417
                        .TOPAC  10435      .WIDTH  10441      .FPACK  10446      .TEST   10447      .KOUNT  10502
                        .LIST   10505      .DONE   10513      .OUTBF  11202      .CHAR   11434      .FBDBF  11447
                        .DDGFL  11476      .DDFLG  11477      .WORD   11500      .MOD    11501      .PEX    11502
                        .FEXP   11503      .DIG    11504      .DEXPN  11505
     FIOR    11523      .FIOR.  11523      .FCNT   11624      .FBLT.  11722      .FBCT.  11742      .FRLR.  11766
                        .FRLR.  (11766)    .FWLR.  12032      .FWLR.  (12032)    .FBIBF  12072      .FRITF  12166
     FIOS    12175      .FIOS.  12175      .FSFL.  12335      .FILR.  12341 *    .FRTB.  12350      .FRTD.  12355
                        .FILL.  12360      .FCLS   12362 *    .FOPN   12366 *    REOF    12372 *    .TOUT.  12535
                        .RELD   12543 *    .BIN    12544 *    .FCT    12545      .FCKSZ  12547
     FIOH    12631      .FIOH.  12631      .FFIL.  13472      .FRTN.  13520
     FWRD    13672      .FWRD.  13672
     FWRB    13716      .FWRB.  13716
     FRDD    13742      .FRDD.  13762
     FRDB    13770      .FRDB.  13770
     FPRN    14014      .FPRN.  14014
     .UN02.  14152      .UN02.  (14152)
```

```
   UN05     14153       .UN05.  14153
   UN06     14154       .UN06.  14154      .BUFSZ  14155
   .UN07.   14160       .UN07. (14160)
   .UN13.   14161       .UN13. (14161)
   .UN14.   14162       .UN14. (14162)
   .UN15.   14163       .UN15. (14163)
   .UN16.   14164       .UN16. (14164)
   .UN17.   14165       .UN17. (14165)
   .UN18.   14166       .UN18. (14166)
   FSQW     14167       SQRT    14167
   FBST     14242       .FBST.  14242
   FEFT     14463       .FEFT.  14463
   FRWT     14563       .FRWT.  14563
   FSLNT    14662       .FBLT.  14700      .FBDT.  14706 •
   FSLT     14720       .SLT.   14720      .SLTT.  14725      .SDT.   14733      .SDTT.  14741
   FSLDO    14757       .FSLU.  14775      .FSDO.  15003 •
   FSLBO    15014       .FBLU.  15032      .FBDO.  15040 •
   FSLO     15052       .SLU.   15052      .SLO2.  15060      .SDU.   15065      .SDC2.  15077
   FVIU     15111       .FVIU.  15111
   .IOCS    15235       .LIO)   15235      .MOASW  15255      .TECR   15324      .CEFI.  15404      .JOINX  15450 •
                        .CLUS.  15467      .ATTC.  15502      .SM1    15714 •    .SM9    15756 •    .OPEN.  15777
                        .OP4    16025 •    .OP7    16056 •    .OP9.2  16077 •    .RLSE.  16136      .RER2.  16136
                        .READ.  16137      .RER1.  16152      .WRIT.  16164      .PNTCA  16352 •    .EOFEX  16433 •
                        .FEEIT  16503      .GTIOX  16524      .RW7    16662 •    .RE7    17261 •    .ENDTR  17722
                        .SELS9  17724 •    .9SR.   20335      .EUTOF  20462      .ETOF3  20466 •    .SWITC  20515
                        .TCHEX  21016      .BASIO  21021 •
   .IOCSM   21022

 1 NETGEN   21022       NETGEN (21022)     NETGEN (21022)
   ISUMA1   31305       ISUMA   31336
   GENXY1   31360       GENXY   32657
   PUTREC   32721       PUTREC  32756
   CONEC    33004       CONECT  33235
   RSF111   33350       RSF11   34220

 2 IPTCO    21022       IPTCLN  22524

 3 NETA1    21022       NETAS1  32372
```



```
   NETA2    32414       NETAS2  34153

 4 NETSIP   21022       NETSIM (21022)     NETSIM (21022)
   READC    24644       READCC  25256
   TPCK1    25376       TPCK    25545
   RDNET1   25573       RDNET   25712
   WRTNET1  25740       WRTNET  26067
   GPRT1    26117       GPRT    26441

 5 DUMMY1   30000       DUMMY1 (30000)

 6 DUMMY2   72460       DUMMY2 (72460)
   NETCH    72500       NETCHG  73746

I/O BUFFERS                          74060 THRU  77763

UNUSED CORE                          77764 THRU  77777
CONTROL CARD
    READOP= 2
    NUMIN= 36
    NAMES=  60
EYS=000005000020
SM=1
READY CONTROL CARD

00000000004INP1  MAX  1  0 01   1  -0  -0  -0  -0  -0  -0  -0  -0
      READOP=   2
      NUMIN,  36
      NAMES=  60
MINPS=000000000000      NCYCS=000000000000      INDICT=000C00000000


        2 BIAS CHANGES

       LEVEL   1    MS =     0.20000000    BIAS =    -0.08044232

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     C.           2. 1     0.           3. 1     C.           4. 1     0.           5. 1     0.
         6. 1     C.           7. 1     0.3333501    8. 1     0.4825074    9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.4015893   13. 1     0.0208633   14. 1     0.2502513   15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.0638344
        21. 1     0.          22. 1     C.          23. 1     0.          24. 1     0.          25. 1     0.1754895
        26. 1     C.          27. 1     0.0218149   28. 1     0.          29. 1     0.          30. 1     0.2458469
        31. 1     C.1327086   32. 1     0.          33. 1     0.1474593   34. 1     0.0002137   35. 1     0.3907708
        36. 1     0.5053556   37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.0088070   43. 1     0.          44. 1     0.3593034   45. 1     0.
        46. 1     C.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.0735799
        51. 1     C.          52. 1     0.          53. 1     0.          54. 1     0.3016426   55. 1     0.3329556
        56. 1     0.          57. 1     C.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     C.2267457   62. 1     C.2176568   63. 1     0.          64. 1     0.          65. 1     0.1014857
        66. 1     C.4649386   67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     C.           0. C     0.           0. 0     0.           0. 0     0.
```

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.5922020

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2905075	2. 2	0.6272621	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.29051
SUM NO. 2 IS 0.62726

*** 175 INPUT P1 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.07845935

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2766152
6. 1	0.	7. 1	0.3585547	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3169867	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0089837	20. 1	0.0786079
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2290180
26. 1	0.	27. 1	0.0196443	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.1497540	32. 1	0.3485848	33. 1	0.1814199	34. 1	0.	35. 1	0.
36. 1	0.5179350	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1950213	44. 1	0.3290240	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0062157	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.3545232	55. 1	0.0748130
56. 1	0.0577080	57. 1	0.	58. 1	0.	59. 1	0.1923181	60. 1	0.
61. 1	0.2965910	62. 1	0.2721045	63. 1	0.2098902	64. 1	0.3182543	65. 1	0.3789845
66. 1	0.1919714	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.48436202

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 176 INPUT P2 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1676820	2. 1	0.	3. 1	0.	4. 1	0.0353805	5. 1	0.0395342
6. 1	0.0009945	7. 1	0.1927487	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3970370	12. 1	0.1345330	13. 1	0.0306475	14. 1	0.0402042	15. 1	0.
16. 1	0.	17. 1	0.0325555	18. 1	0.0075360	19. 1	0.0422920	20. 1	0.2151960
21. 1	0.0079753	22. 1	0.0559394	23. 1	0.	24. 1	0.	25. 1	0.0487482
26. 1	0.	27. 1	0.0124537	28. 1	0.0482847	29. 1	0.	30. 1	0.1135738
31. 1	0.2097942	32. 1	0.5741672	33. 1	0.2493844	34. 1	0.	35. 1	0.0450324
36. 1	0.0671886	37. 1	0.0052608	38. 1	0.0374851	39. 1	0.	40. 1	0.
41. 1	0.0707378	42. 1	0.	43. 1	0.3889384	44. 1	0.0358977	45. 1	0.
46. 1	0.	47. 1	0.0072048	48. 1	0.	49. 1	0.3756314	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0555534	54. 1	0.3347110	55. 1	0.3365052
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1250846	62. 1	0.3782814	63. 1	0.0876938	64. 1	0.	65. 1	0.1194843
66. 1	0.	67. 1	0.	68. 1	0.0070361	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0649723	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.06497

*** 177 INPUT P3 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.05116734

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2210876	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3757808	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.2178422	12. 1	0.0908087	13. 1	0.0080232	14. 1	0.3426167	15. 1	0.
16. 1	0.	17. 1	0.0586957	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0843828	29. 1	0.	30. 1	0.0652983
31. 1	0.4289425	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.0058894
36. 1	0.0351793	37. 1	0.0529036	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0290461	42. 1	0.	43. 1	0.2941273	44. 1	0.3059603	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0614751	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2661169	55. 1	0.3245498
56. 1	0.	57. 1	0.	58. 1	0.4758370	59. 1	0.1305175	60. 1	0.
61. 1	0.1114738	62. 1	0.3011961	63. 1	0.1095820	64. 1	0.	65. 1	0.4687771
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	[illegible]	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.64484833

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 178 INPUT P4 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01136500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2201412	2. 1	0.	3. 1	0.0365251	4. 1	0.1005882	5. 1	0.
6. 1	0.	7. 1	0.2167034	8. 1	0.	9. 1	0.0060186	10. 1	0.
11. 1	0.1305842	12. 1	0.0257458	13. 1	0.0485475	14. 1	0.4665451	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.0072603	19. 1	0.0037563	20. 1	0.1939778
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0529798
26. 1	0.	27. 1	0.0132539	28. 1	0.	29. 1	0.	30. 1	0.4661755
31. 1	0.4505514	32. 1	0.1539593	33. 1	0.	34. 1	0.0076583	35. 1	0.0402594
36. 1	0.0685923	37. 1	0.4734399	38. 1	0.	39. 1	0.0128480	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.3298053	44. 1	0.0003126	45. 1	0.0110738
46. 1	0.	47. 1	0.0677392	48. 1	0.	49. 1	0.4366270	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0168561	54. 1	0.	55. 1	0.1583936
56. 1	0.	57. 1	0.	58. 1	0.0248108	59. 1	0.	60. 1	0.0475342
61. 1	0.	62. 1	0.1183682	63. 1	0.0304597	64. 1	0.0092115	65. 1	0.0150339
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0422658	72. 1	0.0474654	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.40760504

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4793544	2. 2	0.5206456	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.47935
SUM NO. 2 IS 0.52065

*** 179 INPUT P5 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01069500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0547450	5. 1	0.
6. 1	0.	7. 1	0.1459049	8. 1	0.	9. 1	0.	10. 1	0.0013675
11. 1	0.1282017	12. 1	0.3928392	13. 1	0.0583434	14. 1	0.0714323	15. 1	0.
16. 1	0.0091254	17. 1	0.0724117	18. 1	0.0440022	19. 1	0.0027208	20. 1	0.
21. 1	0.0206480	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.3283762
26. 1	0.	27. 1	0.0393907	28. 1	0.	29. 1	0.	30. 1	0.4540114
31. 1	0.2824948	32. 1	0.	33. 1	0.	34. 1	0.0413264	35. 1	0.0804775
36. 1	0.0845570	37. 1	0.1366353	38. 1	0.0294246	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.2940480	44. 1	0.0829022	45. 1	0.
46. 1	0.	47. 1	0.0251542	48. 1	0.1026943	49. 1	0.0055581	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0115517	54. 1	0.	55. 1	0.1090489
56. 1	0.0889909	57. 1	0.	58. 1	0.0692196	59. 1	0.	60. 1	0.0331565
61. 1	0.4107447	62. 1	0.3429891	63. 1	0.1176801	64. 1	0.0270203	65. 1	0.4537373
66. 1	0.	67. 1	0.0115611	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.12229033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9321921	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 0.93219

*** 180 INPUT P6 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1913250	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3156863	12. 1	0.	13. 1	0.3153994	14. 1	0.	15. 1	0.
16. 1	0.0303679	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1677250
21. 1	0.	22. 1	0.	23. 1	0.0717875	24. 1	0.	25. 1	0.0911699
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.3247805
31. 1	0.	32. 1	0.0955655	33. 1	0.2333006	34. 1	0.0414448	35. 1	0.4301085
36. 1	0.0323088	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4345862	43. 1	0.0121586	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.3976672	48. 1	0.3229434	49. 1	0.2947955	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0066917	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.0323235
61. 1	0.2676084	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1140118	72. 1	0.3127783	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.12500000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4757774	2. 2	0.5160377	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.47578
SUM NO. 2 IS 0.51604

*** 181 INPUT P7 IDENTIFICATION INCORRECT.

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.03173479

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.0503761
6. 1	0.	7. 1	0.3674664	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3194061	12. 1	0.0224925	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2656092	17. 1	0.	18. 1	0.	19. 1	0.6092778	20. 1	0.0141916
21. 1	0.	22. 1	0.1664415	23. 1	0.0543534	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0161452
31. 1	0.	32. 1	0.5931783	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4975773	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0528664	43. 1	0.3067189	44. 1	0.0346972	45. 1	0.
46. 1	0.0070129	47. 1	0.3529757	48. 1	0.	49. 1	0.3391232	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0212890	54. 1	0.2545165	55. 1	0.
56. 1	0.0634644	57. 1	0.1157784	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0078439	62. 1	0.0121945	63. 1	0.	64. 1	0.4908419	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.0072941	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.52133514

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.00000
SUM NO. 2 IS 0.

*** 182 INPUT P8 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.0780269

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0568534	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3728836	12. 1	0.	13. 1	0.2762107	14. 1	0.	15. 1	0.
16. 1	0.2760267	17. 1	0.	18. 1	0.	19. 1	0.5152497	20. 1	0.0537126
21. 1	0.4788977	22. 1	0.0897269	23. 1	0.2539342	24. 1	0.2174535	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0933529	29. 1	0.	30. 1	0.1926707
31. 1	0.	32. 1	0.4644635	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0106431	39. 1	0.	40. 1	0.
41. 1	0.2012518	42. 1	0.0223304	43. 1	0.1758732	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5143319	58. 1	0.4405428	59. 1	0.	60. 1	0.
61. 1	0.2312409	62. 1	0.	63. 1	0.	64. 1	0.0606584	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1762360	72. 1	0.1865615	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.31532975

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.00000
SUM NO. 2 IS 0.

*** 183 INPUT P9 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01418813

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1394686	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3193034	8. 1	0.	9. 1	0.	10. 1	0.0638386
11. 1	0.0359000	12. 1	0.1042012	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0020661	18. 1	0.	19. 1	0.0906938	20. 1	0.2476017
21. 1	0.5688863	22. 1	0.	23. 1	0.3896149	24. 1	0.0352959	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1013630	29. 1	0.2764679	30. 1	0.2430377
31. 1	0.1303627	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.0101602	40. 1	0.0623191
41. 1	0.3070224	42. 1	0.0263355	43. 1	0.0317470	44. 1	0.	45. 1	0.
46. 1	0.0176275	47. 1	0.3227131	48. 1	0.2717501	49. 1	0.0117440	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.3089729	55. 1	0.
56. 1	0.0700446	57. 1	0.4734905	58. 1	0.	59. 1	0.0089342	60. 1	0.0536378
61. 1	0.1010449	62. 1	0.	63. 1	0.	64. 1	0.0048029	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4391337
71. 1	0.0471931	72. 1	0.1164660	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.03562553

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1661590	2. 2	0.7949166	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.16616
SUM NO. 2 IS 0.79492

*** 184 INPUT P10 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.04057965

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0422056	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0077478	8. 1	0.	9. 1	0.0537164	10. 1	0.
11. 1	0.3670586	12. 1	0.	13. 1	0.2225553	14. 1	0.	15. 1	0.0153148
16. 1	0.4258984	17. 1	0.0532933	18. 1	0.0835448	19. 1	0.0337237	20. 1	0.3099904
21. 1	0.	22. 1	0.0548117	23. 1	0.1254021	24. 1	0.3708003	25. 1	0.
26. 1	0.0120056	27. 1	0.0045567	28. 1	0.0265609	29. 1	0.4366512	30. 1	0.0315865
31. 1	0.	32. 1	0.0764505	33. 1	0.	34. 1	0.0175516	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.1399300
41. 1	0.3266486	42. 1	0.0224686	43. 1	0.0073234	44. 1	0.	45. 1	0.
46. 1	0.0089206	47. 1	0.4430697	48. 1	0.	49. 1	0.1157689	50. 1	0.
51. 1	0.0121267	52. 1	0.0011173	53. 1	0.0555500	54. 1	0.	55. 1	0.
56. 1	0.0400342	57. 1	0.0294007	58. 1	0.	59. 1	0.0475724	60. 1	0.0575249
61. 1	0.0055439	62. 1	0.0304404	63. 1	0.	64. 1	0.0128209	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.0123756	69. 1	0.	70. 1	0.5507514
71. 1	0.1389021	72. 1	0.4015356	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.91523375

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 185 INPUT P11 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1929049	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.3119065	7. 1	0.2912695	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3340922	12. 1	0.	13. 1	0.0995388	14. 1	0.	15. 1	0.
16. 1	0.3181178	17. 1	0.	18. 1	0.0029720	19. 1	0.	20. 1	0.2655009
21. 1	0.	22. 1	0.	23. 1	0.0109646	24. 1	0.2754310	25. 1	0.0576485
26. 1	0.0571118	27. 1	0.	28. 1	0.	29. 1	0.0656511	30. 1	0.0310435
31. 1	0.	32. 1	0.1012591	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2169019	42. 1	0.4776081	43. 1	0.0094791	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0727908	48. 1	0.	49. 1	0.3641346	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0032171	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.2993459	62. 1	0.	63. 1	0.	64. 1	0.0104319	65. 1	0.
66. 1	0.0213845	67. 1	0.	68. 1	0.0023715	69. 1	0.	70. 1	0.0637824
71. 1	0.2224175	72. 1	0.3512702	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.79928857

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4799681	2. 2	0.5737432	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.47997
SUM NO. 2 IS 0.57374

*** 186 INPUT P12 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2099175	2. 1	0.0167866	3. 1	0.	4. 1	0.1585976	5. 1	0.0079855
6. 1	0.3516213	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0095063
16. 1	0.0724716	17. 1	0.	18. 1	0.0473911	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0743347	24. 1	0.3570318	25. 1	0.0760004
26. 1	0.	27. 1	0.4179134	28. 1	0.	29. 1	0.4247914	30. 1	0.0244260
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0017253	39. 1	0.	40. 1	0.3080146
41. 1	0.	42. 1	0.4770267	43. 1	0.	44. 1	0.	45. 1	0.0548501
46. 1	0.	47. 1	0.3592523	48. 1	0.3443830	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.0371417	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.1359948	59. 1	0.0535819	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0230967	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.0408673
71. 1	0.1362363	72. 1	0.3399095	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.31706005

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1742911	2. 2	0.9000279	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.17429
SUM NO. 2 IS 0.90003

*** 187 INPUT P13 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2438225	2. 1	0.	3. 1	0.0314950	4. 1	0.2581502	5. 1	0.3589764
6. 1	0.0181264	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2973677	17. 1	0.0666786	18. 1	0.0146085	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0047556	23. 1	0.3359415	24. 1	0.0828838	25. 1	0.
26. 1	0.0694306	27. 1	0.4954993	28. 1	0.	29. 1	0.0225958	30. 1	0.
31. 1	0.0289903	32. 1	0.	33. 1	0.0217416	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.0308586	40. 1	0.2846960
41. 1	0.0036910	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0150087	48. 1	0.4244090	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.0571532	53. 1	0.0261630	54. 1	0.0591629	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.2423999	59. 1	0.4053597	60. 1	0.3522446
61. 1	0.0236529	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.5415801	69. 1	0.	70. 1	0.0915318
71. 1	0.0424495	72. 1	0.3774140	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.25524932

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0479210	2. 2	0.0484478	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.04792
SUM NO. 2 IS 0.04845

*** 188 INPUT P14 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.02949449

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.0245991	10. 1	0.3081993
11. 1	0.	12. 1	0.0299700	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2228148	17. 1	0.4547420	18. 1	0.3422332	19. 1	0.0633599	20. 1	0.1167156
21. 1	0.0441979	22. 1	0.0494517	23. 1	0.	24. 1	0.3153084	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0645523	29. 1	0.4283698	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.3087595
41. 1	0.3206376	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0110394
46. 1	0.	47. 1	0.0058175	48. 1	0.3160100	49. 1	0.0165612	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3414933	57. 1	0.4026866	58. 1	0.	59. 1	0.	60. 1	0.2880403
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2006412
71. 1	0.0762161	72. 1	0.2667255	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.96427420

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2800421	2. 2	0.6322777	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.28004
SUM NO. 2 IS 0.63228

*** 189 INPUT P15 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.04757160

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0330955	4. 1	0.1810780	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.5955889	10. 1	0.5205836
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2902894	17. 1	0.4228160	18. 1	0.2620386	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1104824	23. 1	0.3185233	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4948283	29. 1	0.	30. 1	0.
31. 1	0.1624326	32. 1	0.	33. 1	0.0241863	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.2694974
41. 1	0.0191635	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0141244	47. 1	0.2865625	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.4583526	58. 1	0.	59. 1	0.2088281	60. 1	0.3714537
61. 1	0.	62. 1	0.0038762	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1357943
71. 1	0.0117814	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08492243

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0849225	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.08492
SUM NO. 2 IS 0.

*** 190 INPUT P16 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.03910349

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0046823	3. 1	0.0711631	4. 1	0.2405007	5. 1	0.0847244
6. 1	0.0077704	7. 1	0.	8. 1	0.0234071	9. 1	0.	10. 1	0.3608308
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0397109	15. 1	0.0315048
16. 1	0.0117998	17. 1	0.0183729	18. 1	0.1236387	19. 1	0.1808563	20. 1	0.
21. 1	0.	22. 1	0.0770740	23. 1	0.0748649	24. 1	0.3163400	25. 1	0.1169275
26. 1	0.	27. 1	0.0545119	28. 1	0.1245554	29. 1	0.4614416	30. 1	0.0227711
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.0442981	38. 1	0.0300356	39. 1	0.	40. 1	0.4341403
41. 1	0.3241582	42. 1	0.0565854	43. 1	0.	44. 1	0.0021863	45. 1	0.1641427
46. 1	0.0605227	47. 1	0.0898363	48. 1	0.0057479	49. 1	0.	50. 1	0.
51. 1	0.0614493	52. 1	0.0161084	53. 1	0.4418350	54. 1	0.	55. 1	0.
56. 1	0.1107346	57. 1	0.0062396	58. 1	0.0454762	59. 1	0.2209688	60. 1	0.0483549
61. 1	0.0207855	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.0626122	68. 1	0.0083623	69. 1	0.0910713	70. 1	0.0713691
71. 1	0.2561790	72. 1	0.0157772	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45565137

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 191 INPUT P17 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.1042508	5. 1	0.0270723
6. 1	0.3323503	7. 1	0.	8. 1	0.0077612	9. 1	0.	10. 1	0.0131286
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0043430
16. 1	0.0060349	17. 1	0.	18. 1	0.0423563	19. 1	0.3209347	20. 1	0.0871303
21. 1	0.	22. 1	0.	23. 1	0.3922595	24. 1	0.2194597	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4043518	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.0436567	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2646258	42. 1	0.5544167	43. 1	0.	44. 1	0.	45. 1	0.0665540
46. 1	0.0116642	47. 1	0.0194090	48. 1	0.2878634	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.3340414	54. 1	0.	55. 1	0.
56. 1	0.0146111	57. 1	0.0213024	58. 1	0.0988746	59. 1	0.2264583	60. 1	0.2495590
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0224454	67. 1	0.	68. 1	0.	69. 1	0.0095331	70. 1	0.0270652
71. 1	0.2600813	72. 1	0.0507092	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.65341164

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0683435	2. 2	0.9066555	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.06834
SUM NO. 2 IS 0.90666

*** 192 INPUT P18 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4092544	4. 1	0.3616820	5. 1	0.4427870
6. 1	0.5670610	7. 1	0.	8. 1	0.	9. 1	0.0014337	10. 1	0.0300750
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0046639	15. 1	0.1037348
16. 1	0.0390560	17. 1	0.	18. 1	0.0054141	19. 1	0.	20. 1	0.
21. 1	0.0514373	22. 1	0.	23. 1	0.0462441	24. 1	0.	25. 1	0.
26. 1	0.0130329	27. 1	0.5082468	28. 1	0.	29. 1	0.0352265	30. 1	0.
31. 1	0.0467633	32. 1	0.	33. 1	0.	34. 1	0.0340663	35. 1	0.4377842
36. 1	0.0502381	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.0123121
41. 1	0.	42. 1	0.0119011	43. 1	0.	44. 1	0.0212057	45. 1	0.0861404
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0354373
51. 1	0.1452775	52. 1	.1218787	53. 1	0.4675359	54. 1	0.0452628	55. 1	0.0186255
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0386647	60. 1	0.31 8876
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0044556	67. 1	.0009677	68. 1	0.0413873	69. 1	0.0415143	70. 1	0.0563839
71. 1	0.2745435	72. 1	.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08291328

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0829133	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.08291
SUM NO. 2 IS 0.

*** 193 INPUT P19 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1027952	2. 1	0.	3. 1	0.	4. 1	0.2644539	5. 1	0.4363750
6. 1	0.0314421	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0221493
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0596969
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.5161009	20. 1	0.
21. 1	0.0169745	22. 1	0.3095799	23. 1	0.1168147	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0601938	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.0491579	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3125527	39. 1	0.0140904	40. 1	0.0073364
41. 1	0.	42. 1	0.0041425	43. 1	0.	44. 1	0.0378107	45. 1	0.4146816
46. 1	0.3903523	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0325587
51. 1	0.1327858	52. 1	0.4047422	53. 1	0.3419479	54. 1	0.	55. 1	0.
56. 1	0.0058948	57. 1	0.1003548	58. 1	0.0404166	59. 1	0.0450947	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0941855	65. 1	0.
66. 1	0.0575757	67. 1	0.1665184	68. 1	0.0717046	69. 1	0.5012389	70. 1	0.0490408
71. 1	0.	72. 1	0.0124147	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.35001703

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.6499830	2. 2	0.2604354	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.64998
SUM NO. 2 IS 0.26044

*** 194 INPUT P20 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0820161	4. 1	0.2910515	5. 1	0.
6. 1	0.0498565	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4389783
11. 1	0.	12. 1	0.	13. 1	0.0153441	14. 1	0.0162441	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.2887908	19. 1	0.0194689	20. 1	0.
21. 1	0.0897162	22. 1	0.5635881	23. 1	0.0255922	24. 1	0.0078678	25. 1	0.0013960
26. 1	0.	27. 1	0.	28. 1	0.3697817	29. 1	0.0545387	30. 1	0.
31. 1	0.0039122	32. 1	0.1054296	33. 1	0.	34. 1	0.	35. 1	0.0551469
36. 1	0.	37. 1	0.0113563	38. 1	0.4580454	39. 1	0.0072450	40. 1	0.0055102
41. 1	0.0261412	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0761999
46. 1	0.4680506	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3423898	52. 1	0.	53. 1	0.0016906	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0695948	58.	0.0800906	59. 1	0.	60. 1	0.3261748
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.1414250	68. 1	0.	69. 1	0.0789244	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.36151509

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.00000
SUM NO. 2 IS 0.

*** 195 INPUT P21 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.14428176

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3469862	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.3767779	10. 1	0.3448856
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.3783226	18. 1	0.1807112	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.3462526	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3166624	38. 1	0.	39. 1	0.	40. 1	0.1778363
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3613330
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3669756	52. 1	0.2862993	53. 1	0.1587048	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.3420710	59. 1	0.1762026	60. 1	0.1248032
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3800240
71. 1	0.0904397	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09124850

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0912485	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.09125
SUM NO. 2 IS 0.

*** 196 INPUT P22 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1149236	2. 1	0.	3. 1	0.4523360	4. 1	0.	5. 1	0.0268294
6. 1	0.0577685	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4222672
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4586455
16. 1	0.	17. 1	0.	18. 1	0.3411289	19. 1	0.0064203	20. 1	0.0851142
21. 1	0.0342396	22. 1	0.0245427	23. 1	0.0845122	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0914859	29. 1	0.1063664	30. 1	0.
31. 1	0.0105619	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.0746141
36. 1	0.	37. 1	0.0038320	38. 1	0.0340286	39. 1	0.	40. 1	0.1102048
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0027989	45. 1	0.1217371
46. 1	0.5792515	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0155015
51. 1	0.1266979	52. 1	0.4512397	53. 1	0.	54. 1	0.0504176	55. 1	0.
56. 1	0.0394959	57. 1	0.0668293	58. 1	0.	59. 1	0.0253515	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0282796	65. 1	0.
66. 1	0.0746556	67. 1	0.1235827	68. 1	0.0269361	69. 1	0.4025128	70. 1	0.4227958
71. 1	0.	72. 1	0.0596725	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09790410

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0979041	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.09790

*** 197 INPUT P23 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01249187

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0939816	2. 1	0.0551682	3. 1	0.3761644	4. 1	0.0076964	5. 1	0.0268568
6. 1	0.4500217	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0622340
11. 1	0.	12. 1	0.	13. 1	0.0654950	14. 1	0.0242791	15. 1	0.4563883
16. 1	0.	17. 1	0.0123915	18. 1	0.3558026	19. 1	0.	20. 1	0.
21. 1	0.0738717	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0487233
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0037339
31. 1	0.0313021	32. 1	0.	33. 1	0.0809175	34. 1	0.0278729	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0362659	39. 1	0.	40. 1	0.3866021
41. 1	0.	42. 1	0.0427180	43. 1	0.0349561	44. 1	0.0407468	45. 1	0.4874924
46. 1	0.1069068	47. 1	0.	48. 1	0.	49. 1	0.0355767	50. 1	0.0759937
51. 1	0.3095938	52. 1	0.0792035	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0909964	57. 1	0.0841599	58. 1	0.	59. 1	0.0028685	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1459567	67. 1	0.1607826	68. 1	0.0269907	69. 1	0.1758832	70. 1	0.0377224
71. 1	0.0143574	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.45259164

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 198 INPUT P24 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.3818591
6. 1	0.	7. 1	0.	8. 1	0.1381809	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.0577387	14. 1	0.	15. 1	0.4648285
16. 1	0.	17. 1	0.	18. 1	0.0130334	19. 1	0.	20. 1	0.
21. 1	0.0548353	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2656659	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0413961	32. 1	0.	33. 1	0.0321978	34. 1	0.3496574	35. 1	0.0407103
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.2807640	40. 1	0.0247027
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3504419
46. 1	0.3317878	47. 1	0.	48. 1	0.	49. 1	0.0401525	50. 1	0.1912070
51. 1	0.1940402	52. 1	0.0426961	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.2268329	57. 1	0.	58. 1	0.0172199	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0047706	64. 1	0.	65. 1	0.0013127
66. 1	0.6383461	67. 1	0.0801575	68. 1	0.0539884	69. 1	0.4352046	70. 1	0.
71. 1	0.3384759	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.35303195

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 199 INPUT P25 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000C00000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01451519

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0700136	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0589041	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4442096
16. 1	0.0357803	17. 1	0.0281943	18. 1	0.	19. 1	0.0247053	20. 1	0.
21. 1	0.0293611	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.4721901	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0073756	33. 1	0.0472306	34. 1	0.1508920	35. 1	0.4461165
36. 1	0.	37. 1	0.0515581	38. 1	0.2351436	39. 1	0.3964945	40. 1	0.
41. 1	0.	42. 1	0.0322476	43. 1	0.	44. 1	0.	45. 1	0.3155037
46. 1	0.0295144	47. 1	0.	48. 1	0.0589111	49. 1	0.0853480	50. 1	0.0994926
51. 1	0.2057637	52. 1	0.0821016	53. 1	0.	54. 1	0.1029007	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.2194409	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.3640863	65. 1	0.
66. 1	0.3459383	67. 1	0.3693633	68. 1	0.	69. 1	0.4465099	70. 1	0.
71. 1	0.2359638	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37348147

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7836051	2. 2	0.1684891	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.78361
SUM NO. 2 IS 0.16849

*** 200 INPUT P26 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0612954	3. 1	0.2503348	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0732740	9. 1	0.	10. 1	0.0173701
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0351800
16. 1	0.	17. 1	0.0243668	18. 1	0.	19. 1	0.0673601	20. 1	0.0146904
21. 1	0.1132393	22. 1	0.4389287	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.3182527	27. 1	0.	28. 1	0.0191902	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2535643	35. 1	0.
36. 1	0.	37. 1	0.0732816	38. 1	0.4174326	39. 1	0.1031260	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0227631	47. 1	0.	48. 1	0.0179693	49. 1	0.	50. 1	0.3382671
51. 1	0.0050989	52. 1	0.4910060	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3912934	57. 1	0.3916016	58. 1	0.0003756	59. 1	0.0280343	60. 1	0.
61. 1	0.	62. 1	0.0604279	63. 1	0.3554624	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.3023788	68. 1	0.4715604	69. 1	0.0262478	70. 1	0.0776238
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.09755276

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9024472	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.90245
SUM NO. 2 IS 0.

*** 201 INPUT P27 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0279100	3. 1	0.	4. 1	0.	5. 1	0.0127060
6. 1	0.	7. 1	0.	8. 1	0.0469284	9. 1	0.	10. 1	0.1507325
11. 1	0.	12. 1	0.	13. 1	0.0451648	14. 1	0.	15. 1	0.3287297
16. 1	0.0337874	17. 1	0.0159397	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1257387	22. 1	0.0335120	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2305092	27. 1	0.	28. 1	0.4311123	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.2153590	34. 1	0.1250919	35. 1	0.0364613
36. 1	0.	37. 1	0.0375751	38. 1	0.0506307	39. 1	0.4143524	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0760497	44. 1	0.	45. 1	0.1929177
46. 1	0.3073257	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2998096
51. 1	0.5589678	52. 1	0.4703158	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3654170	57. 1	0.	58. 1	0.	59. 1	0.0115887	60. 1	0.
61. 1	0.	62. 1	0.0132895	63. 1	0.0613389	64. 1	0.	65. 1	0.0006018
66. 1	0.0178184	67. 1	0.5109539	68. 1	0.	69. 1	0.1494742	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.71227647

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 202 INPUT P28 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.00937173

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0956367	3. 1	0.1269631	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0110842	9. 1	0.5998345	10. 1	0.0102694
11. 1	0.	12. 1	0.	13. 1	0.0342822	14. 1	0.0503891	15. 1	0.4109275
16. 1	0.0018049	17. 1	0.4776801	18. 1	0.0613128	19. 1	0.	20. 1	0.
21. 1	0.0067036	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2358526	27. 1	0.0552829	28. 1	0.	29. 1	0.	30. 1	0.0158566
31. 1	0.1773746	32. 1	0.	33. 1	0.3090043	34. 1	0.2782845	35. 1	0.
36. 1	0.	37. 1	0.0434943	38. 1	0.0098220	39. 1	0.0196209	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0314920	44. 1	0.	45. 1	0.0665948
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.3122073
51. 1	0.4316191	52. 1	0.1061339	53. 1	0.	54. 1	0.	55. 1	0.0443796
56. 1	0.0548407	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0646185	63. 1	0.0797082	64. 1	0.	65. 1	0.
66. 1	0.0197985	67. 1	0.4558397	68. 1	0.0177910	69. 1	0.4853137	70. 1	0.0682231
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37053813

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2834089	2. 2	0.7165912	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.28341
SUM NO. 2 IS 0.71659

*** 203 INPUT P29 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0924669	2. 1	0.3308225	3. 1	0.1727017	4. 1	0.	5. 1	0.
6. 1	0.1258449	7. 1	0.	8. 1	0.6045682	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.1704336	14. 1	0.	15. 1	0.1648579
16. 1	0.0077668	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0346712	24. 1	0.0649121	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0184594
31. 1	0.	32. 1	0.	33. 1	0.2994298	34. 1	0.0126076	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.0554300	40. 1	0.
41. 1	0.	42. 1	0.0801457	43. 1	0.	44. 1	0.0537999	45. 1	0.3721468
46. 1	0.3686823	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6871554
51. 1	0.1521217	52. 1	0.1315226	53. 1	0.	54. 1	0.0976104	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0196549	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0411477	64. 1	0.	65. 1	0.
66. 1	0.6647930	67. 1	0.4612690	68. 1	0.	69. 1	0.1171800	70. 1	0.
71. 1	0.	72. 1	0.0215704	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37744735

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 204 INPUT P30 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01323761

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0860425	2. 1	0.4812523	3. 1	0.	4. 1	0.0134928	5. 1	0.
6. 1	0.0287593	7. 1	0.	8. 1	0.4799076	9. 1	0.0454346	10. 1	0.
11. 1	0.	12. 1	0.3240686	13. 1	0.1237823	14. 1	0.3555056	15. 1	0.0307097
16. 1	0.0476957	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0121474	24. 1	0.0295398	25. 1	0.0277243
26. 1	0.3619265	27. 1	0.0548061	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0864151	32. 1	0.0137554	33. 1	0.	34. 1	0.3704964	35. 1	0.0691174
36. 1	0.0104298	37. 1	0.0247635	38. 1	0.0087157	39. 1	0.3256021	40. 1	0.
41. 1	0.0100822	42. 1	0.0750198	43. 1	0.0325108	44. 1	0.0060546	45. 1	0.
46. 1	0.0190204	47. 1	0.0119039	48. 1	0.	49. 1	0.0392970	50. 1	0.2467715
51. 1	0.0777730	52. 1	0.0300170	53. 1	0.0609482	54. 1	0.0199589	55. 1	0.0111478
56. 1	0.0001897	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0490961	63. 1	0.0733705	64. 1	0.	65. 1	0.3171335
66. 1	0.0548006	67. 1	0.1016474	68. 1	0.0118146	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.36541057

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1068942	2. 2	0.8931018	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.10690
SUM NO. 2 IS 0.89310

*** 205 INPUT P31 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.03248352

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2898872	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1161068	9. 1	0.4785332	10. 1	0.
11. 1	0.	12. 1	0.0346324	13. 1	0.4761647	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1580805	23. 1	0.	24. 1	0.	25. 1	0.3029837
26. 1	0.2724101	27. 1	0.0594715	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0276872	32. 1	0.	33. 1	0.0103953	34. 1	0.	35. 1	0.4119089
36. 1	0.5190942	37. 1	0.0305568	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0494941	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1075410	49. 1	0.	50. 1	0.0176294
51. 1	0.	52. 1	0.	53. 1	[illegible]	54. 1	0.	55. 1	0.3484335
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.0552301
61. 1	0.	62. 1	0.	63. 1	0.4465002	64. 1	0.3185126	65. 1	0.0309540
66. 1	0.	67. 1	0.	68. 1	0.4926449	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9344958	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.93450
SUM NO. 2 IS 0.

*** 206 INPUT P32 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.00831455

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.4247367	3. 1	0.0017785	4. 1	0.0314356	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.[illegible]209576	9. 1	0.0205541	10. 1	0.
11. 1	0.	12. 1	0.0398496	13. 1	0.	14. 1	0.4021898	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0	19. 1	0.0562562	20. 1	0.
21. 1	0.4268590	22. 1	0.4330059	23. 1	0.0019017	24. 1	0.	25. 1	0.0180789
26. 1	0.0475029	27. 1	0.	28. 1	[illegible]	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0658514	33. 1	0.2367256	34. 1	0.0137479	35. 1	0.0325866
36. 1	0.0093103	37. 1	0.0987166	38. 1	0.4166094	39. 1	0.0925953	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2983858	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0993809	49. 1	0.	50. 1	0.3937432
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1010903	55. 1	0.2234373
56. 1	0.	57. 1	0.0501827	58. 1	0.0529937	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0447901	63. 1	0.0516174	64. 1	0.[illegible]385060	65. 1	0.0710819
66. 1	0.	67. 1	0.0128640	68. 1	0.4696501	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.0306686	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.30080928

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.00000
SUM NO. 2 IS 0.

*** 207 INPUT P33 INDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01095322

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1004168	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1392233	9. 1	0.	10. 1	0.0034168
11. 1	0.	12. 1	0.0603736	13. 1	0.	14. 1	0.0585559	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.5622575	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.3634401
26. 1	0.2016337	27. 1	0.	28. 1	0.0250154	29. 1	0.	30. 1	0.0275324
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2718730	35. 1	0.
36. 1	0.0063941	37. 1	0.6145633	38. 1	0.0268955	39. 1	0.3977320	40. 1	0.0224094
41. 1	0.0650568	42. 1	0.	43. 1	0.	44. 1	0.2359225	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0837649	49. 1	0.0581471	50. 1	0.0459703
51. 1	0.0691967	52. 1	0.	53. 1	0.	54. 1	0.0047312	55. 1	0.3242506
56. 1	0.	57. 1	0.0700366	58. 1	0.0512579	59. 1	0.	60. 1	0.
61. 1	0.0741131	62. 1	0.2761558	63. 1	0.4919273	64. 1	0.0705097	65. 1	0.4799696
66. 1	0.	67. 1	0.0327283	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.46547254

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2266326	2. 2	0.7733674	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.22663
SUM NO. 2 IS 0.77337

*** 208 INPUT P34 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.04578547

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0722726	2. 1	0.4373269	3. 1	0.0685935	4. 1	0.1231986	5. 1	0.0351619
6. 1	0.	7. 1	0.0570248	8. 1	0.0642718	9. 1	0.0606417	10. 1	0.
11. 1	0.0784971	12. 1	0.3575040	13. 1	0.3512016	14. 1	0.1208734	15. 1	0.
16. 1	0.0493867	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0038582	22. 1	0.	23. 1	0.0112192	24. 1	0.	25. 1	0.0305720
26. 1	0.1018486	27. 1	0.0519169	28. 1	0.	29. 1	0.0381459	30. 1	0.0899963
31. 1	0.1252275	32. 1	0.0301418	33. 1	0.0255399	34. 1	0.0645448	35. 1	0.1653402
36. 1	0.0784953	37. 1	0.5196427	38. 1	0.	39. 1	0.	40. 1	0.0068909
41. 1	0.	42. 1	0.0592295	43. 1	0.0463659	44. 1	0.1107005	45. 1	0.
46. 1	0.0500596	47. 1	0.	48. 1	0.0833750	49. 1	0.0520826	50. 1	0.1378141
51. 1	0.0624988	52. 1	0.0706083	53. 1	0.0312249	54. 1	0.0657939	55. 1	0.1385655
56. 1	0.	57. 1	0.	58. 1	0.0707466	59. 1	0.0839442	60. 1	0.
61. 1	0.0744687	62. 1	0.0512476	63. 1	0.3957583	64. 1	0.0013753	65. 1	0.0351905
66. 1	0.0328155	67. 1	0.0525609	68. 1	0.	69. 1	0.0793328	70. 1	0.0681056
71. 1	0.0335309	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45268789

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3814329	2. 2	0.5473121	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.38143
SUM NO. 2 IS 0.54731

*** 209 INPUT P35 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.05075543

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0266498	2. 1	0.4992820	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.5233152	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2855928	13. 1	0.1502902	14. 1	0.2488071	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2820206
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0102546	32. 1	0.	33. 1	0.	34. 1	0.3757602	35. 1	0.0474431
36. 1	0.	37. 1	0.1060402	38. 1	0.	39. 1	0.3029374	40. 1	0.
41. 1	0.0088683	42. 1	0.0276018	43. 1	0.	44. 1	0.3166616	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.5354106
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.2081619
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.2271226	63. 1	0.4060170	64. 1	0.0040192	65. 1	0.4141410
66. 1	0.0086017	67. 1	0.1011022	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.89343648

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 210 INPUT P36 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54865877

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.1189424
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4605529
16. 1	0.0427031	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.6946464	23. 1	0.2642154	24. 1	0.	25. 1	0.
26. 1	0.6604893	27. 1	0.	28. 1	0.3113212	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0607975	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.1521446	39. 1	0.2907435	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0381390
46. 1	0.5287522	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.0818090	52. 1	0.5093076	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.3489577	68. 1	0.4003244	69. 1	0.4671158	70. 1	0.0290535
71. 1	0.0143492	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.48943062

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 211 INPUT LSV1 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.75177230

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.5921825	3. 1	0.2541279	4. 1	0.	5. 1	0.1115025
6. 1	0.	7. 1	0.	8. 1	0.2265454	9. 1	0.2968510	10. 1	0.
11. 1	0.	12. 1	0.3122111	13. 1	0.	14. 1	0.4105478	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0676152	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2208572	39. 1	0.5342366	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.4143136	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6865578
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2953705	64. 1	0.	65. 1	0.1284386
66. 1	0.0829384	67. 1	0.2637190	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.07997490

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0799749	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.07997

*** 212 INPUT LSV2 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66230544

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0297430	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0330231	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.0345262	12. 1	0.	13. 1	0.2649058	14. 1	0.2167720	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0594852
21. 1	0.6607743	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1670495	33. 1	0.	34. 1	0.4290897	35. 1	0.
36. 1	0.4156978	37. 1	0.4092469	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1562604	44. 1	0.1416458	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3446606	50. 1	0.6418549
51. 1	0.0773300	52. 1	0.	53. 1	0.	54. 1	0.1357894	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0330918	62. 1	0.0890259	63. 1	0.	64. 1	0.4223102	65. 1	0.1377257
66. 1	0.1508006	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08819206

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0881921	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.08819
SUM NO. 2 IS 0.

*** 213 INPUT LSV3 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.61337610

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.4281536	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5465094	12. 1	0.	13. 1	0.0958039	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.3783548
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.6969973	25. 1	0.4175547
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2046208
31. 1	0.	32. 1	0.2539404	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.3664491	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4123677	49. 1	0.3090332	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.1559330	63. 1	0.2394520	64. 1	0.4729343	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.34614914

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 214 INPUT LSV4 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000C00000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.58045171

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1911804	2. 1	0.	3. 1	0.	4. 1	0.4872106	5. 1	0.
6. 1	0.0630735	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0737293
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4108033	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1909650	24. 1	0.0631264	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6942176	30. 1	0.2240697
31. 1	0.0577249	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.2278590
41. 1	0.1654841	42. 1	0.2557901	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4019685	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6505603	54. 1	0.1070033	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.3142743
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.8148713	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.36567809

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 215 INPUT LSV5 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000C00000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66416448

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.6735401	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.2810207
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.2545117
16. 1	0.0328507	17. 1	0.0061051	18. 1	0.5697585	19. 1	0.0483775	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0778136	42. 1	0.1190392	43. 1	0.	44. 1	0.	45. 1	0.1354002
46. 1	0.4457397	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.2404207	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3769035	57. 1	0.5427629	58. 1	0.2167728	59. 1	0.	60. 1	0.3984125
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.0546878
71. 1	0.3034280	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.61582139

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4405384	2. 2	0.6030282	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.44054								
SUM NO. 2 IS	0.60301								

*** 216 INPUT LSV6 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000C000C000C

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07876988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.6397855	3. 1	0.3158454	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0918316
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0510892	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.3166746	27. 1	0.	28. 1	0.1357551	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6604940	39. 1	1.0324846	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0419142
51. 1	0.	52. 1	0.1618875	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6635424	68. 1	0.1571355	69. 1	0.4326384	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.38921552

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.0000								

*** 217 INPUT LSV7 IDENTIFICATION CORRECT
MINPS 000000000000 NCYCS 000000000000 INDICT=000C00000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.38695425

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.6729663	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1871097	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2036375	13. 1	0.	14. 1	0.6546973	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1648001	35. 1	0.
36. 1	0.1147139	37. 1	0.2917489	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.6391526	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6977886
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6320369
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.3247871
66. 1	0.2551402	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.38695960

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 218 INPUT LLSV2 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30060437

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5375746	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5889238	12. 1	0.	13. 1	0.4517921	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4789272
21. 1	0.0343987	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2017772
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4424241	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.4878803	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.6911187	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0010440	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.1997000	63. 1	0.	64. 1	0.7647169	65. 1	0.0064252
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.89382842

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0871903	2. 2	0.9200946	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.08719
SUM NO. 2 IS 0.92009

*** 219 INPUT LLSV3 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07545422

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.1753570	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3323208	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.2016130
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.8598693	25. 1	0.0096987
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.5261417	30. 1	0.4972739
31. 1	0.	32. 1	0.1079184	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0479916	43. 1	0.1058296	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.8871103	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0599376	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.9008890	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.21219674

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 220 INPUT LLSV4 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

```
 6 BIAS CHANGES

 LEVEL   1    MS =     0.20000000    BIAS =    -1.25339508

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     C.            2. 1     0.            3. 1     0.            4. 1     0.3803592     5. 1     0.
  6. 1     0.7547253     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.2153770
 11. 1     C.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     0.           17. 1     0.           18. 1     0.2597968    19. 1     0.3[illegible]70131   20. 1     0.
 21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.5[illegible]42082   30. 1     0.
 31. 1     C.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     C.2379979    42. 1     0.4111989    43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     C.           52. 1     0.           53. 1     0.6935042    54. 1     0.           55. 1     0.
 56. 1     0.           57. 1     0.           58. 1     0.0738379    59. 1     0.           60. 1     0.7093751
 61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     0.           67. 1     C.           68. 1     0.           69. 1     0.           70. 1     0.
 71. 1     0.           72. 1     0.1689019     0. 0     0.            0. 0     0.            0. 0     0.
   1 BIAS CHANGES

 LEVEL   2    MS =     0.01000000    BIAS =     0.05619864

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     0.3807425     2. 2     0.6192575     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.38074
SUM NO.   2 IS    0.61926

*** 221    INPUT LLSV5     IDENTIFICATION  INCORRECT.
MINPS=000000000000      NCYCS=000000000000      INDICT=000000000000


 6 BIAS CHANGES

 LEVEL   1    MS =     0.20000000    BIAS =    -1.25799301

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     0.           2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     C.0450085    7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.3353290
 11. 1     0.           12. 1    0.           13. 1     0.           14. 1     0.           15. 1     0.7091049
 16. 1     0.           17. 1    0.           18. 1     0.5115229    19. 1     0.           20. 1     0.
 21. 1     C.           22. 1    0.           23. 1     C.           24. 1     0.           25. 1     0.
 26. 1     0.           27. 1    0.           28. 1     0.           29. 1     0.           30. 1     0.
 31. 1     0.           32. 1    0.           33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     C.           37. 1    0.           38. 1     0.           39. 1     0.           40. 1     0.
 41. 1     0.0087542    42. 1    0.           43. 1     0.           44. 1     0.           45. 1     0.1264536
 46. 1     0.9507555    47. 1    0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1    0.6559019    53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.1798837    57. 1    0.4786765    58. 1     C.           59. 1     0.           60. 1     0.
 61. 1     C.           62. 1    0.           63. 1     0.           64. 1     0.           65. 1     0.
 66. 1     C.           67. 1    0.           68. 1     0.           67. 1     0.2387506    70. 1     0.1330910
 71. 1     0.2975194    72. 1    0.            0. 0     0.            0. 0     0.            0. 0     0.
   2 BIAS CHANGES

 LEVEL   2    MS =     0.01000000    BIAS =    -0.44167760

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     C.           2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 222    INPUT LLSV6     IDENTIFICATION  INCORRECT.
MINPS=000000000000      NCYCS=000000000000      INDICT=000000000000


 5 BIAS CHANGES

 LEVEL   1    MS =     0.20000000    BIAS =    -0.39545582

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 1     C.           2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
  6. 1     0.           7. 1     0.            8. 1     0.            9. 1     0.1825286    10. 1     0.6389466
 11. 1     0.           12. 1    0.           13. 1     0.           14. 1     0.           15. 1     0.
 16. 1     C.           17. 1    1.0749133    18. 1     0.1190776    19. 1     0.0379914    20. 1     0.
 21. 1     0.           22. 1    0.3280029    23. 1     C.           24. 1     0.           25. 1     0.
 26. 1     C.           27. 1    0.           28. 1     0.5924234    29. 1     0.           30. 1     0.
 31. 1     0.           32. 1    0.4249964    33. 1     0.           34. 1     0.           35. 1     0.
 36. 1     0.           37. 1    0.3503686    38. 1     0.2104615    39. 1     0.           40. 1     0.
 41. 1     C.           42. 1    0.           43. 1     0.           44. 1     0.           45. 1     0.
 46. 1     0.           47. 1    0.           48. 1     0.           49. 1     0.           50. 1     0.
 51. 1     0.           52. 1    0.           53. 1     0.           54. 1     0.           55. 1     0.
 56. 1     0.           57. 1    0.3492250    58. 1     0.           59. 1     0.0225205    60. 1     0.0687419
 61. 1     0.           62. 1    0.           63. 1     0.           64. 1     0.2736176    65. 1     0.
 66. 1     0.           67. 1    0.           68. 1     0.           69. 1     0.           70. 1     0.2653294
 71. 1     0.           72. 1    0.            0. C     0.            0. 0     0.            0. 0     0.
   7 BIAS CHANGES

 LEVEL   2    MS =     0.01000000    BIAS =    -2.87499991

COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
  1. 2     1.0191104    2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.01911
SUM NO.   2 IS    C.

*** 223    INPUT LSM1      IDENTIFICATION  INCORRECT.
MINPS=000000000000      NCYCS=000000000000      INDICT=000000000000
```

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.21009293

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1444764	4. 1	0.	5. 1	0.
6. 1	0.1023977	7. 1	0.	8. 1	0.1279688	9. 1	0.3250096	10. 1	0.4917501
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.4646702	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.4701704	19. 1	0.	20. 1	0.1422600
21. 1	0.1263035	22. 1	0.	23. 1	0.	24. 1	0.0653616	25. 1	0.
26. 1	0.0047402	27. 1	0.	28. 1	0.2477566	29. 1	0.3033215	30. 1	0.0938515
31. 1	0.3723767	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.1598682	38. 1	0.	39. 1	0.	40. 1	0.1005790
41. 1	0.0240799	42. 1	0.2593847	43. 1	0.	44. 1	0.	45. 1	0.0743319
46. 1	0.0117112	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0301734
51. 1	0.3733025	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.0953357
56. 1	0.	57. 1	0.0349239	58. 1	0.0985349	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1640508
66. 1	0.	67. 1	0.0479027	68. 1	0.	69. 1	0.	70. 1	0.5539686
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.90689859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0632454	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.06325
SUM NO. 2 IS 0.

*** 224 INPUT LSH7 IDENTIFICATION INCORRECT.
MINPS=000000C00000 NCYCS=000000000000 INDICT=000C00000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.32853805

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2394314
6. 1	0.4040721	7. 1	0.	8. 1	0.4803335	9. 1	0.0307310	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1592193
16. 1	0.2357065	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.0495016	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.3234880	35. 1	0.0022553
36. 1	0.0040819	37. 1	0.	38. 1	0.	39. 1	0.1691159	40. 1	0.
41. 1	0.	42. 1	0.1584970	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.2814491	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0365383	60. 1	0.
61. 1	0.0770781	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0816592	67. 1	0.	68. 1	0.	69. 1	0.4773756	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.22495021

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9738303	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.97383
SUM NO. 2 IS 0.

*** 225 INPUT LSH3 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000C00000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.21880095

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2608820	3. 1	0.	4. 1	0.	5. 1	0.0121785
6. 1	0.4808814	7. 1	0.	8. 1	0.4806063	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.1073643	14. 1	0.	15. 1	0.0682114
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0505695	20. 1	0.0700947
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.2686592	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1883619	33. 1	0.	34. 1	0.	35. 1	0.1117449
36. 1	0.4547972	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.6803437	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0688113	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2080332
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2083302	64. 1	0.1210014	65. 1	0.
66. 1	0.3705628	67. 1	0.	68. 1	0.4453579	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1951027	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.64134569

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9824956	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.98250
SUM NO. 2 IS 0.

*** 226 INPUT LSH4 IDENTIFICATION INCORRECT.

```
MINPS=0C000(000000        NCYCS=000000000000        INDICT=0000CCC0000C

        4 BIAS CHANGES

      LEVEL   1     MS =      0.20000000     BIAS =     -0.33691058

     COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
      1. 1     C.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.2300060
      6. 1     0.0338053     7. 1      0.1912484     8. 1      0.1816225     9. 1      0.            10. 1     C.
     11. 1     0.            12. 1     0.            13. 1     0.            14. 1     0.            15. 1     0.
     16. 1     C.            17. 1     0.            18. 1     0.            19. 1     0.            20. 1     0.
     21. 1     0.4566800     22. 1     0.4299825     23. 1     0.            24. 1     0.            25. 1     0.1100456
     26. 1     C.            27. 1     0.            28. 1     0.            29. 1     0.            30. 1     0.
     31. 1     0.            32. 1     0.0761748     33. 1     0.1595746     34. 1     0.            35. 1     0.3326277
     36. 1     C.3668638     37. 1     0.            38. 1     0.3541266     39. 1     0.            40. 1     0.
     41. 1     0.            42. 1     0.0714301     43. 1     0.            44. 1     0.            45. 1     0.
     46. 1     0.            47. 1     0.            48. 1     0.1872862     49. 1     0.            50. 1     0.
     51. 1     0.            52. 1     0.            53. 1     0.            54. 1     0.            55. 1     0.
     56. 1     0.            57. 1     0.4522994     58. 1     0.2487326     59. 1     0.            60. 1     0.2982510
     61. 1     0.            62. 1     0.1551011     63. 1     0.            64. 1     0.            65. 1     0.
     66. 1     C.0653658     67. 1     0.            68. 1     0.2907318     69. 1     0.            70. 1     0.
     71. 1     C.            72. 1     0.            0. C      0.            0. 0      0.            0. 0      0.
        2 BIAS CHANGES

      LEVEL   2     MS =      0.01000000     BIAS =     -0.97479039

     COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
      1. 2     1.000000C     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     1.00000
SUM NO.   2 IS     C.

*** 227    INPUT LSH5      IDENTIFICATION  INCORRECT.
MINPS=000000000000        NCYCS=000000000000        INDICT=000000000000


        4 BIAS CHANGES

      LEVEL   1     MS =      0.20000000     BIAS =     -0.33101967

     COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
      1. 1     C.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.2833370
      6. 1     0.            7. 1      0.            8. 1      0.            9. 1      0.            10. 1     0.
     11. 1     0.            12. 1     0.            13. 1     0.            14. 1     0.            15. 1     C.
     16. 1     C.            17. 1     0.            18. 1     0.            19. 1     0.3795295     20. 1     0.
     21. 1     0.4015305     22. 1     0.5886918     23. 1     0.            24. 1     0.            25. 1     0.
     26. 1     0.            27. 1     0.3646652     28. 1     0.2226603     29. 1     0.            30. 1     0.
     31. 1     0.0888135     32. 1     0.1212407     33. 1     0.            34. 1     0.            35. 1     0.3233251
     36. 1     0.0320926     37. 1     0.0247585     38. 1     0.3471544     39. 1     0.            40. 1     0.
     41. 1     0.            42. 1     0.            43. 1     0.            44. 1     0.            45. 1     0.
     46. 1     0.            47. 1     0.            48. 1     0.            49. 1     0.            50. 1     0.
     51. 1     0.1440480     52. 1     0.1261843     53. 1     0.            54. 1     0.2095922     55. 1     0.
     56. 1     0.0065347     57. 1     0.1332437     58. 1     0.1817856     59. 1     0.            60. 1     0.
     61. 1     C.            62. 1     0.            63. 1     0.            64. 1     0.3660072     65. 1     0.
     66. 1     C.            67. 1     0.            68. 1     0.            69. 1     0.            70. 1     0.2556527
     71. 1     0.0141905     72. 1     0.            0. 0      0.            0. 0      0.            0. 0      0.
        4 BIAS CHANGES

      LEVEL   2     MS =      0.01000000     BIAS =     -1.95056999

     COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
      1. 2     1.0234298     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     1.02343
SUM NO.   2 IS     C.

*** 228    INPUT LSH6      IDENTIFICATION  INCORRECT.
MINPS=000000000000        NCYCS=C00000000000        INDICT=000000000000


        5 BIAS CHANGES

      LEVEL   1     MS =      0.20000000     BIAS =     -0.69934112

     COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
      1. 1     0.            2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
      6. 1     C.            7. 1      0.            8. 1      0.            9. 1      0.3876600     10. 1     0.9459031
     11. 1     0.            12. 1     0.            13. 1     0.            14. 1     0.            15. 1     0.
     16. 1     0.            17. 1     0.7464792     18. 1     0.3755879     19. 1     0.            20. 1     0.
     21. 1     C.0018665     22. 1     0.            23. 1     0.            24. 1     0.            25. 1     0.
     26. 1     0.            27. 1     0.            28. 1     0.7046237     29. 1     0.0220548     30. 1     0.
     31. 1     0.            32. 1     0.            33. 1     0.            34. 1     0.            35. 1     0.
     36. 1     0.            37. 1     0.3794301     38. 1     0.            39. 1     0.            40. 1     0.
     41. 1     0.            42. 1     0.            43. 1     0.            44. 1     0.            45. 1     0.
     46. 1     0.            47. 1     0.            48. 1     0.            49. 1     0.            50. 1     0.
      1. 1     0.0839616     52. 1     0.            53. 1     0.            54. 1     0.            55. 1     0.
     56. 1     C.            57. 1     0.2866011     58. 1     0.            59. 1     0.            60. 1     0.
     61. 1     0.            62. 1     0.            63. 1     0.            64. 1     0.            65. 1     0.
     66. 1     0.            67. 1     0.            68. 1     0.            69. 1     0.            70. 1     0.7689845
     71. 1     0.            72. 1     0.            0. 0      0.            0. 0      0.            0. 0      0.
        4 BIAS CHANGES

      LEVEL   2     MS =      0.01000000     BIAS =     -2.13385764

     COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
      1. 2     C.9251699     2. 2      0.            0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS     0.92517
SUM NO.   2 IS     0.

*** 229    INPUT LLSH1     IDENTIFICATION  INCORRECT.
MINPS=000000000000        NCYCS=000000000000        INDICT=000000000000
```

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.39214079

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0763666	4. 1	0.	5. 1	0.
6. 1	0.6322049	7. 1	0.	8. 1	0.5810506	9. 1	0.4921136	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.4529013	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0050511	28. 1	0.	29. 1	0.	30. 1	0.1208576
31. 1	0.4564502	32. 1	0.	33. 1	0.	34. 1	0.3540900	35. 1	0.
36. 1	0.	37. 1	0.1580130	38. 1	0.	39. 1	0.0182198	40. 1	0.
41. 1	0.	42. 1	0.5079692	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1629575	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.2680390	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0335797
66. 1	0.5000850	67. 1	0.	68. 1	0.	69. 1	0.1189031	70. 1	0.0192980
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.45090282

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9329156	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.93292
SUM NO. 2 IS 0.

*** 230 INPUT LLSH2 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.67217030

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1901796
6. 1	0.7678831	7. 1	0.	8. 1	0.7354530	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.6870340	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0706447	35. 1	0.
36. 1	0.2932127	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.6553682	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.2013691	67. 1	0.	68. 1	0.	69. 1	0.1281456	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.13292867

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3257372	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.92574
SUM NO. 2 IS 0.

*** 231 INPUT LLSH3 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.58140875

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2229283
6. 1	0.5678260	7. 1	0.	8. 1	0.6335364	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.0142746	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0286323
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.2055576	33. 1	0.	34. 1	0.	35. 1	0.3980576
36. 1	0.8172557	37. 1	0.	38. 1	0.0139726	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.7435731	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0117527	49. 1	0.	50. 1	0.0998677
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0163894	64. 1	0.0393872	65. 1	0.
66. 1	0.4526960	67. 1	0.	68. 1	0.7400853	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0720767	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.07208
SUM NO. 2 IS 0.

*** 232 INPUT LLSH4 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

```
        4 BIAS CHANGES

      LEVEL   1    MS =     0.20000000    BIAS =    -0.77051122

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.4023635
       6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
      11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.1641574    20. 1     0.
      21. 1     0.6514600    22. 1     0.8371000    23. 1     0.           24. 1     0.           25. 1     0.
      26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
      31. 1     0.           32. 1     0.1020695    33. 1     0.           34. 1     0.           35. 1     0.5604664
      36. 1     0.3000863    37. 1     0.           38. 1     0.5583988    39. 1     0.           40. 1     0.
      41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
      46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
      51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.0315366    55. 1     0.
      56. 1     0.           57. 1     0.4708453    58. 1     0.3609967    59. 1     0.           60. 1     0.
      61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.2500346    65. 1     0.
      66. 1     0.           67. 1     0.           68. 1     0.1924139    69. 1     0.           70. 1     0.
      71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
        5 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =    -2.99999991

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     0.9644953     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.96453
SUM NO.   2 IS    0.

*** 233    INPUT LLSH5     IDENTIFICATION  INCORRECT.
MINPS=000000000000       NCYCS=000000000000       INDICT=000000000000


        5 BIAS CHANGES
      LEVEL   1    MS =     0.20000000    BIAS =    -0.86416174

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
       6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.4326759
      11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
      16. 1     0.           17. 1     0.7428968    18. 1     0.           19. 1     0.2042440    20. 1     0.
      21. 1     0.2014155    22. 1     0.6147606    23. 1     0.           24. 1     0.           25. 1     0.
      26. 1     0.           27. 1     0.           28. 1     0.5750292    29. 1     0.           30. 1     0.
      31. 1     0.           32. 1     0.3796885    33. 1     0.           34. 1     0.           35. 1     0.
      36. 1     0.           37. 1     0.2515951    38. 1     0.4159522    39. 1     0.           40. 1     0.
      41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
      46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
      51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
      56. 1     0.           57. 1     0.2893350    58. 1     0.           59. 1     0.           60. 1     0.
      61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.4948262    65. 1     0.
      66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.3616223
      71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
        5 BIAS CHANGES

      LEVEL   2    MS =     0.01000000    BIAS =    -2.99999991

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     1.0527885     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.05279
SUM NO.   2 IS    0.

*** 234    INPUT LLSH6     IDENTIFICATION  INCORRECT.
MINPS=000000000000       NCYCS=000000000000       INDICT=000000000000


END OF INPUT. SIMULATION COMPLETE.


MAIN TEST IS DONE.
```

LIST 2

```
CONTROL CARD
    READOP= 2
    NUMIN= 36
    NAMES=  12
    KEYS=000000010000
    ISM=7

NETWORK SPECIFICATIONS


NO. OF LEVELS= 2
DT=   0.59999994
EPSLN=   0.099999994
MSTEP= 0.160000
USAT=1.000000
COMG=0.500000


SECOND CARD

X=  6    Y=  6    Z=  1    RND=12345    PCH=5    DCH=1

LEVEL CARDS-B

LEVEL     X       Y       Z       SX      SI      PX      PI     GSX     GSI     GPX     GPI    SCTYP   PCTYP   SLFCON

  1 •     6 •     6 •     2 •     8 •     8 •     8 •     8 • 0.500• 0.500• 0.500• 0.500•   2 •     2 •     0

  2 •     2 •     1 •     1 •     1 •     1 •    62 •    62 • 0.500• 0.500• 0.500• 0.500•   0 •     2 •     0

LEVEL CARD-A/

LEVEL       MS            MI          F(+S)       F(-S)       F(+P)       F(-P)       ESUM

  1• 0.100000 •  0.500000 •  0.999000 • -0.999000 •  0.999000 • -0.999000 •  5.000000

  2• 0.       •  1.000000 •  0.       •  0.       •  0.999000 • -0.999000 •  1.000000

READY CONTROL CARD
INDICT=000000000010
INPUT MODE=INP2
TEST MODE= MAX
CONSECUTIVE OUTPUTS/STRING=  1
G-WT PRINT COUNT= 30
G-WT PRINT MODE=2
A1=0
A2= 12  B2=  4C2= 12  D2=  1
A3= -0  B3= -0
A4= -0  B4= -0  C4=-..
C=  0


      READOP=   2
      NUMIN,  36
      NAMES=  12
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.11524370
    ** CONTROL= 000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.24629287
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37734205
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31181747
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.27905518
    ** CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.27905518

        COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1    0.165235      2. 1    0.           3. 1    0.           4. 1    0.           5. 1    0.7253924
         6. 1    0.2113055     7. 1    0.           8. 1    0.2222750    9. 1    0.          10. 1    0.
        11. 1    0.           12. 1    0.          13. 1    0.          14. 1    0.          15. 1    0.1979249
        16. 1    0.427501     17. 1    0.          18. 1    0.          19. 1    0.          20. 1    0.
        21. 1    0.           22. 1    0.          23. 1    0.2154167   24. 1    0.          25. 1    0.
        26. 1    0.           27. 1    0.2343402   28. 1    0.          29. 1    0.          30. 1    0.
        31. 1    0.           32. 1    0.          33. 1    0.          34. 1    0.2340489   35. 1    0.7178495
        36. 1    0.4842867    37. 1    0.          38. 1    0.          39. 1    0.2001183   40. 1    0.
        41. 1    0.           42. 1    0.          43. 1    0.          44. 1    0.          45. 1    0.
        46. 1    0.           47. 1    0.0295493   48. 1    0.4190888   49. 1    0.          50. 1    0.
        51. 1    0.           52. 1    0.          53. 1    0.          54. 1    0.2300078   55. 1    0.
        56. 1    0.           57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
        61. 1    0.           62. 1    0.1397777   63. 1    0.          64. 1    0.1706823   65. 1    0.
        66. 1    0.663072     67. 1    0.          68. 1    0.          69. 1    0.          70. 1    0.
        71. 1    0.           72. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.35179916
    ** CONTROL= [illegible]
```

```
        1 BIAS CHANGES

      LEVEL   2    MS =     0.              BIAS =     0.35178916

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
        1. 2    0.5508118     2. 2      0.4491882     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.55081
SUM NO.   2 IS    0.44919

***   1    INPUT M1        INDENTIFICATION CORRECT
MINPS=000000000013      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.34696509
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.85432129
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.36157748
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.10799938
   **   CONTROL=000000000007


        4 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =     -1.10799938

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
        1. 1    0.3153096     2. 1      0.            3. 1      0.            4. 1      0.            5. 1      0.
        6. 1    0.            7. 1      0.3957434     8. 1      0.            9. 1      0.            10. 1     0.
       11. 1    0.6348255     12. 1     0.            13. 1     0.            14. 1     0.            15. 1     0.
       16. 1    0.            17. 1     0.            18. 1     0.            19. 1     0.            20. 1     0.8853417
       21. 1    0.            22. 1     0.            23. 1     0.            24. 1     0.            25. 1     0.
       26. 1    0.            27. 1     0.            28. 1     0.            29. 1     0.            30. 1     0.3918584
       31. 1    0.3546317     32. 1     0.1290297     33. 1     0.            34. 1     0.            35. 1     0.
       36. 1    0.            37. 1     0.            38. 1     0.            39. 1     0.            40. 1     0.
       41. 1    0.            42. 1     0.            43. 1     0.6582329     44. 1     0.            45. 1     0.
       46. 1    0.            47. 1     0.            48. 1     0.            49. 1     0.1351427     50. 1     0.
       51. 1    0.            52. 1     0.            53. 1     0.            54. 1     0.3918355     55. 1     0.
       56. 1    0.            57. 1     0.            58. 1     0.            59. 1     0.            60. 1     0.
       61. 1    0.6614266     62. 1     0.            63. 1     0.            64. 1     0.            65. 1     0.
       66. 1    0.            67. 1     0.            68. 1     0.            69. 1     0.            70. 1     0.
       71. 1    0.            72. 1     0.1953655     0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.57000030
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.03129559
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.79564780
   **   CONTROL=000000000007
        3 BIAS CHANGES

      LEVEL   2    MS =     0.              BIAS =     0.79564790

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
        1. 2    0.3036799     2. 2      0.7457867     0. 0      0.            0. 0      0.            0. 0      0.
SUM NO.   1 IS    0.30368
SUM NO.   2 IS    0.74579

***   2    INPUT M1        INDENTIFICATION CORRECT
MINPS=000000000012      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.09827621
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.22283137
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.34736652
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.28510835
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.25397018
   **   CONTROL=000000000007
        5 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =     -0.25397018

      COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
        1. 1    0.            2. 1      0.            3. 1      0.            4. 1      0.0472939     5. 1      0.3385655
        6. 1    0.            7. 1      0.0249233     8. 1      0.            9. 1      0.            10. 1     0.
       11. 1    0.            12. 1     0.            13. 1     0.            14. 1     0.            15. 1     0.
       16. 1    0.            17. 1     0.            18. 1     0.            19. 1     0.0554264     20. 1     0.
       21. 1    0.0369954     22. 1     0.4640783     23. 1     0.            24. 1     0.            25. 1     0.1981360
       26. 1    0.            27. 1     0.            28. 1     0.            29. 1     0.            30. 1     0.
       31. 1    0.            32. 1     0.2518455     33. 1     0.1497575     34. 1     0.            35. 1     0.0696866
       36. 1    0.3359975     37. 1     0.            38. 1     0.7462153     39. 1     0.            40. 1     0.
       41. 1    0.            42. 1     0.            43. 1     0.            44. 1     0.            45. 1     0.
       46. 1    0.            47. 1     0.            48. 1     0.0426389     49. 1     0.            50. 1     0.
       51. 1    0.            52. 1     0.            53. 1     0.            54. 1     0.1896223     55. 1     0.
       56. 1    0.            57. 1     0.4730126     58. 1     0.            59. 1     0.            60. 1     0.2289987
       61. 1    0.            62. 1     0.            63. 1     0.5175449     64. 1     0.5206152     65. 1     0.
       66. 1    0.            67. 1     0.            68. 1     0.2518250     69. 1     0.            70. 1     0.
       71. 1    0.            72. 1     0.            0. 0      0.            0. 0      0.            0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.40362273
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.80724542
   **   CONTROL=000000000003
```

```
        [illegible]

        LEVEL   [illegible]   WS =      0.          BIAS =     0.[illegible]

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. [illegible]   1. [illegible] 2.  1. 2    [illegible]2744    0. [illegible]    0.          0. [illegible]    0.          0. [illegible]    0.
SUM NO.   [illegible] IS    1. [illegible]
SUM NO.   [illegible] IS    0. [illegible]

***   3    INPUT V2        IDENTIFICATION CORRECT
MINPS=[illegible]      NOVCS=[illegible]      INDICT=[illegible]


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.3566.046
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.7272.[illegible]
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.21765751
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.0[illegible]254326
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.11[illegible]
    ** CONTROL= [illegible]
        5 BIAS CHANGES

        LEVEL   1    WS =      0.09999999    BIAS =     -1.11[illegible]

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 1     0.          2. 1     0.          3. 1     0.          4. 1     0.0144433   5. 1     0.
        6. 1     0.          7. 1     0.          8. 1     0.          9. 1     0.         10. 1     0.
       11. 1     0.         12. 1     0.         13. 1     0.         14. 1     0.         15. 1     0.
       16. 1     [illegible]254614   17. 1     0.         18. 1     0.         19. 1     0.         20. 1     0.
       21. 1     0.         22. 1     0.         23. 1     0.0938933  24. 1     0.6083499  25. 1     0.
       26. 1     0.         27. 1     0.         28. 1     0.         29. 1     0.4006808  30. 1     0.
       31. 1     0.         32. 1     0.         33. 1     0.         34. 1     0.         35. 1     0.
       36. 1     0.         37. 1     0.         38. 1     0.         39. 1     0.         40. 1     0.
       41. 1     [illegible]6421436   42. 1     0.9493978  43. 1     0.         44. 1     0.         45. 1     0.
       46. 1     0.         47. 1     0.4040704  48. 1     0.3610447  49. 1     0.         50. 1     0.
       51. 1     0.         52. 1     0.         53. 1     0.0935379  54. 1     0.         55. 1     0.
       56. 1     0.         57. 1     0.2652664  58. 1     0.         59. 1     0.         60. 1     0.1890409
       61. 1     0.         62. 1     0.         63. 1     0.         64. 1     0.         65. 1     0.
       66. 1     0.         67. 1     0.         68. 1     0.         69. 1     0.         70. 1     0.
       71. 1     0.[illegible]24[illegible]   72. 1     0.0556537  0. 0      0.         0. 0      0.         0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.36981340
    ** CONTROL= [illegible]
        1 BIAS CHANGES

        LEVEL   [illegible]    WS =      0.          BIAS =     0.36981340

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 2     [illegible]301956   2. 2     0.3560634  0. 0      0.         0. 0      0.         0. 0      0.
SUM NO.   1 IS    0.6[illegible]
SUM NO.   2 IS    0.35[illegible]

***   4    INPUT V2        IDENTIFICATION INCORRECT.
MINPS=[illegible]      NOVCS=[illegible]      INDICT=[illegible]


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.33630040
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.7351[illegible]181
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.13408321
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.93463752
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.03436036
    ** CONTROL= [illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.99449895
    ** CONTROL= [illegible]
        6 BIAS CHANGES

        LEVEL   1    WS =      0.09999999    BIAS =     -0.98445895

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 1     0.          2. 1     0.          3. 1     0.          4. 1     0.1335639   5. 1     0.
        6. 1     0.          7. 1     0.          8. 1     0.          9. 1     0.         10. 1     0.
       11. 1     0.         12. 1     0.         13. 1     0.         14. 1     0.         15. 1     0.
       16. 1     0.[illegible]04974   17. 1     0.         18. 1     0.         19. 1     0.0312866  20. 1     0.
       21. 1     0.         22. 1     0.         23. 1     0.1406362  24. 1     0.5651722  25. 1     0.
       26. 1     0.         27. 1     0.         28. 1     0.         29. 1     0.3383929  30. 1     0.
       31. 1     0.         32. 1     0.         33. 1     0.         34. 1     0.         35. 1     0.
       36. 1     0.         37. 1     0.         38. 1     0.         39. 1     0.         40. 1     0.
       41. 1     0.[illegible]06975   42. 1     0.9729977  43. 1     0.         44. 1     0.         45. 1     0.
       46. 1     0.         47. 1     0.3320493  48. 1     0.3155048  49. 1     0.         50. 1     0.
       51. 1     0.         52. 1     0.         53. 1     0.1566296  54. 1     0.         55. 1     0.
       56. 1     0.         57. 1     0.2685018  58. 1     0.0313[illegible]  59. 1     0.         60. 1     0.1659152
       61. 1     0.         62. 1     0.         63. 1     0.         64. 1     0.         65. 1     0.
       66. 1     0.         67. 1     0.         68. 1     0.         69. 1     0.         70. 1     0.
       71. 1     0.[illegible]27[illegible]   72. 1     0.1504135  0. 0      0.         0. 0      0.         0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.09424974
    ** CONTROL= [illegible]
        1 BIAS CHANGES

        LEVEL   2    WS =      0.          BIAS =     0.09424974

       COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
        1. 2     0.          2. 2     0.9357502  0. 0      0.         0. 0      0.         0. 0      0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    0.[illegible]

***   5    INPUT V2        INDENTIFICATION CORRECT
MINPS=[illegible]      NOVCS=[illegible]      INDICT=[illegible]
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.09559130

   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.24416627
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39272064
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.31843846
   ** CONTROL=000000000007
      4 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =    -0.31843846

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
       6. 1     0.           7. 1     0.1752595    8. 1     0.           9. 1     0.          10. 1     0.4939315
      11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
      16. 1     0.          17. 1     0.          18. 1     0.1552359   19. 1     0.          20. 1     0.
      21. 1     0.2366317   22. 1     0.4966095   23. 1     0.          24. 1     0.          25. 1     0.
      26. 1     0.          27. 1     0.          28. 1     0.4440093   29. 1     0.1785125   30. 1     0.
      31. 1     0.          32. 1     0.0026712   33. 1     0.0053701   34. 1     0.          35. 1     0.
      36. 1     0.          37. 1     0.          38. 1     0.5348738   39. 1     0.          40. 1     0.1741273
      41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
      46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
      51. 1     0.3909634   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.1553633
      56. 1     0.          57. 1     0.4727698   58. 1     0.1811248   59. 1     0.          60. 1     0.2385918
      61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
      66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.4045918
      71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.20581298
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.41162597
   ** CONTROL=000000000003
      2 BIAS CHANGES

      LEVEL   2    MS =     0.            BIAS =     0.41162597

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 2     1.0000000   2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.00000
SUM NO.   2 IS    0.

***   6    INPUT H3        INIDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.45726654
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.94195665
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42604677
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.18430172
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06312920
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.12371546
   ** CONTROL=000000000007
      6 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =    -1.12371546

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 1     0.           2. 1     0.           3. 1     0.1480586    4. 1     0.5813227    5. 1     0.0799153
       6. 1     0.6606698    7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.8389564
      11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
      16. 1     0.          17. 1     0.          18. 1     0.3978076   19. 1     0.          20. 1     0.
      21. 1     0.          22. 1     0.          23. 1     0.1389407   24. 1     0.          25. 1     0.
      26. 1     0.          27. 1     0.          28. 1     0.3432920   29. 1     0.1273360   30. 1     0.
      31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
      36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.6409954
      41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
      46. 1     0.1507148   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
      51. 1     0.          52. 1     0.1011515   53. 1     0.0761099   54. 1     0.          55. 1     0.
      56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.1303272   60. 1     0.4251928
      61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
      66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
      71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.06827109
   ** CONTROL=000000000001
      1 BIAS CHANGES

      LEVEL   2    MS =     0.            BIAS =    -0.06827109

      COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
       1. 2     1.0682711   2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.06827
SUM NO.   2 IS    0.

***   7    INPUT H3        IDENTIFICATION  INCORRECT.
MINPS=000000000007      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43115558
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.86667003
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.3021[illegible]
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.1144[illegible]
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.0[illegible]
   ** CONTROL=000000000007
```

```
        1 BIAS CHANGES

        LEVEL   1    MS =      0.00000000    BIAS =    -1.00054941

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.            3. 1     0.1313071     4. 1     0.5440937     5. 1     0.1758527
        6. 1     0.0976742     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.9300390
       11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
       16. 1     0.           17. 1     0.           18. 1     0.3408295    19. 1     0.           20. 1     0.
       21. 1     0.           22. 1     0.           23. 1     0.1719993    24. 1     0.           25. 1     0.
       26. 1     0.           27. 1     0.0512816    28. 1     0.3111102    29. 1     0.1594628    30. 1     0.
       31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
       36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.5829059
       41. 1     0.0388523    42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.0438672
       46. 1     0.0460978    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
       51. 1     0.           52. 1     0.1614335    53. 1     0.1597404    54. 1     0.           55. 1     0.
       56. 1     0.           57. 1     0.0750447    58. 1     0.           59. 1     0.1865484    60. 1     0.3190020
       61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
       66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.0099572    70. 1     0.0353257
       71. 1     0.0196224    72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
    ** CONTROL=0000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     93.82626915
    ** CONTROL=0000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     47.16313457
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     23.83156729
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      7.16578364
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      6.33289182
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      3.41644594
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.95822300
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.22911152
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.86455579
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.04683365
    ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.13797258
    ** CONTROL=0000000007
       12 BIAS CHANGES

        LEVEL   2    MS =      0.            BIAS =      1.13797258

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.3726881     2. 2     0.6433016     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.37269
SUM NO.   2 IS    0.64330

***   8    INPUT V3        INDENTIFICATION CORRECT
MINPS=0000000000006      NCYCS=0000000000014      INDICT=0000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.07007445
    ** CONTROL= 0000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.16668205
    ** CONTROL=0000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.26328965
    ** CONTROL=0000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.21498585
    ** CONTROL=0000000007
        4 BIAS CHANGES

        LEVEL   1    MS =      0.00000000    BIAS =    -0.21498585

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.            3. 1     0.0386470     4. 1     0.            5. 1     0.
        6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.0738752    10. 1     0.3381923
       11. 1     0.           12. 1     0.0137329    13. 1     0.           14. 1     0.3001129    15. 1     0.
       16. 1     0.0311508    17. 1     0.0217428    18. 1     0.3237188    19. 1     0.2467489    20. 1     0.
       21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
       26. 1     0.           27. 1     0.2239066    28. 1     0.3100908    29. 1     0.0819452    30. 1     0.0326602
       31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
       36. 1     0.           37. 1     0.2634551    38. 1     0.           39. 1     0.           40. 1     0.
       41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
       46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.0009466    50. 1     0.
       51. 1     0.           52. 1     0.5384252    53. 1     0.           54. 1     0.           55. 1     0.1004930
       56. 1     0.0561051    57. 1     0.           58. 1     0.           59. 1     0.2957031    60. 1     0.
       61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.2702984
       66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.2413911    70. 1     0.3805276
       71. 1     0.0140627    72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.40279534
    ** CONTROL= 0000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.80559070
    ** CONTROL= 0000000003
        2 BIAS CHANGES

        LEVEL   2    MS =      0.            BIAS =      0.80559070

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

***   9    INPUT V4        INDENTIFICATION  INCORRECT.
MINPS=0000000000006      NCYCS=0000000000013      INDICT=0000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.00876438
    ** CONTROL=0000000001
```

1 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.00874498

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1373855	4. 1	0.0269164	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1970094	10. 1	0.1919422
11. 1	0.	12. 1	0.1378687	13. 1	0.	14. 1	0.2476275	15. 1	0.
16. 1	0.0427126	17. 1	0.1346546	18. 1	0.1937329	19. 1	0.1841838	20. 1	0.0175156
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0102849	27. 1	0.3269929	28. 1	0.1405623	29. 1	0.1734833	30. 1	0.1812008
31. 1	0.0202066	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2100961	38. 1	0.	39. 1	0.0783843	40. 1	0.1096396
41. 1	0.	42. 1	0.	43. 1	0.0601570	44. 1	0.0047533	45. 1	0.0249801
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2279018	50. 1	0.
51. 1	0.0397647	52. 1	0.2112263	53. 1	0.0005838	54. 1	0.	55. 1	0.1[illegible]386
56. 1	0.1068450	57. 1	0.	58. 1	0.	59. 1	0.1684673	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2509584
66. 1	0.	67. 1	0.	68. 1	0.	67. 1	0.2623042	70. 1	0.1958147
71. 1	0.2419716	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
** CONTROL= 0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.54453012
** CONTROL=0000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 4.02227503
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.26113755
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.38056879
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94028442
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.16042660
** CONTROL=0000000007
7 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 1.16042660

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2928963	2. 2	0.7266996	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.29290
SUM NO. 2 IS 0.72676

*** 10 INPUT H4 IDENTIFICATION INCORRECT.
HINPS=0000000000006 NCYCS=0000000000012 INDICT=0000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05734293
** CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.11757798
** CONTROL=0000000003
2 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.11757798

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0814175	4. 1	0.1149934	5. 1	0.
6. 1	0.	7. 1	0.0139695	8. 1	0.	9. 1	0.1089841	10. 1	0.1216527
11. 1	0.	12. 1	0.1349306	13. 1	0.	14. 1	0.1750240	15. 1	0.0054829
16. 1	0.3126782	17. 1	0.1335422	18. 1	0.124359	19. 1	0.1146547	20. 1	0.1018054
21. 1	0.1298234	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.1132915	27. 1	0.2968889	28. 1	0.1041281	29. 1	0.1107285	30. 1	0.1214802
31. 1	0.[illegible]619736	32. 1	0.	33. 1	0.	34. 1	0.0260971	35. 1	0.
36. 1	0.	37. 1	0.1181799	38. 1	0.	39. 1	0.1578009	40. 1	0.1046880
41. 1	0.	42. 1	0.	43. 1	0.1283658	44. 1	0.1040531	45. 1	0.1256186
46. 1	0.	47. 1	0.0787952	48. 1	0.	49. 1	0.1166065	50. 1	0.
51. 1	0.1351950	52. 1	0.1232930	53. 1	0.1352298	54. 1	0.	55. 1	0.1210801
56. 1	0.1132249	57. 1	0.	58. 1	0.	59. 1	0.1238810	60. 1	0.0045352
61. 1	0.1068358	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1872904
66. 1	0.	67. 1	0.1236093	68. 1	0.	69. 1	0.1917123	70. 1	0.1082053
71. 1	0.1879841	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
** CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.44286290
** CONTROL=0000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.47143146
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98571575
** CONTROL=0000000007
4 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.98571575

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3393335	2. 2	0.6933936	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.33933
SUM NO. 2 IS 0.69339

*** 11 INPUT H4 IDENTIFICATION INCORRECT.
HINPS=0000000000006 NCYCS=0000000000011 INDICT=0000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06773642
** CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.99026973
** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.99403476
** CONTROL=0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.59391625
** CONTROL=0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.29585734
** CONTROL=0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.14212790
** CONTROL=0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23959261
** CONTROL=0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.21098625
** CONTROL=0000000007

```
        8 BIAS CHANGES

        LEVEL   1    MS =      0.09999999    BIAS =      0.21096025

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0. 174560     2. 1     0.            3. 1     0.0950306     4. 1     0.1066026     5. 1     0.
         6. 1     0.            7. 1     0.0839536     8. 1     0.            9. 1     0.0872363    10. 1     0.0932429
        11. 1     0. 054638    12. 1     0.1016610    13. 1     0.           14. 1     0.1207166    15. 1     0.0926404
        16. 1     0.0664236    17. 1     0.0972048    18. 1     0.0873456    19. 1     0.0872146    20. 1     0.0784670
        21. 1     0.0745097    22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.0756744    27. 1     0.2601672    28. 1     0.0806458    29. 1     0.0998556    30. 1     0.0847776
        31. 1     0.0843618    32. 1     0.           33. 1     0.           34. 1     0.0897390    35. 1     0.
        36. 1     0.           37. 1     0.0844386    38. 1     0.           39. 1     0.0965170    40. 1     0.0765871
        41. 1     0.           42. 1     0.           43. 1     0.0957892    44. 1     0.0801535    45. 1     0.0976217
        46. 1     0.           47. 1     0.0932128    48. 1     0.           49. 1     0.0906924    50. 1     0.
        51. 1     0.0817917    52. 1     0.1016237    53. 1     0.1033620    54. 1     0.           55. 1     0.0950764
        56. 1     0.0728038    57. 1     0.           58. 1     0.0474645    59. 1     0.0833409    60. 1     0.0893783
        61. 1     0.1344222    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.1262941
        66. 1     0.0835079    67. 1     0.0969547    68. 1     0.           69. 1     0.1245871    70. 1     0.0915400
        71. 1     0.1426633    72. 1     0.0315025     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
    ** CONTROL=000100000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.64250667
    ** CONTROL=000100000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.07125334
    ** CONTROL=000100000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.78562668
    ** CONTROL=000100000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.92844000
    ** CONTROL=000100000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.85703334
    ** CONTROL=000100000007
        6 BIAS CHANGES

        LEVEL   2    MS =      0.            BIAS =      0.85703334

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.0613623     2. 2     0.4571572     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.00132
SUM NO.   2 IS     0.45716

*** 12    INPUT H4          INDENTIFICATION CORRECT
MINPS=000000000000        NCYCS=000000000014        INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.37233912
    ** CONTROL=000100000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.83004324
    ** CONTROL=000100000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.28776735
    ** CONTROL=000100000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.05892530
    ** CONTROL=000100000007
        4 BIAS CHANGES

        LEVEL   1    MS =      0.09999999    BIAS =     -1.05892530

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.6911985     4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.4541931
        16. 1     0.           17. 1     0.           18. 1     0.1498809    19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.1554638    23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.1644397    29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.5014594    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.4388877
        46. 1     0.4549236    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.1921899
        51. 1     0.6201773    52. 1     0.2704047    53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.1874563    57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.5020100    68. 1     0.           69. 1     0.1864301    70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
        6 BIAS CHANGES

        LEVEL   2    MS =      0.            BIAS =      0.

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.9743236     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS     0.9743
SUM NO.   2 IS     0.

*** 13    INPUT V4          IDENTIFICATION  INCORRECT.
MINPS=000000000015        NCYCS=000000000013        INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.33817960
    ** CONTROL=000100000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.75059731
    ** CONTROL=000100000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.16301502
    ** CONTROL=000100000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.95680617
    ** CONTROL=000100000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.85370174
    ** CONTROL=000100000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.90525395
    ** CONTROL=000100000007
```

```
        6 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.90525335

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.6555809     4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.0065525    10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.3922794
        16. 1     0.           17. 1     0.           18. 1     0.1962197    19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.2125242    23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.0483700    27. 1     0.           28. 1     0.1994764    29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1343602    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.5690566    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.3736885
        46. 1     0.3346651    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.2403792
        51. 1     0.5920420    52. 1     0.2599153    53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.1970586    57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.1037925    67. 1     0.4020709    68. 1     0.           69. 1     0.2263385    70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.78839529
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.14419764
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.82209882
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.98314823
    **  CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.98314823

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.2856525     2. 2     0.7627285     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.28565
SUM NO.   2 IS    0.76273

*** 14    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.03906006
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.11644956
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.11644956

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.1659213     3. 1     0.5608317     4. 1     0.            5. 1     0.
         6. 1     0.0245759     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.3314895    14. 1     0.1463936    15. 1     0.
        16. 1     0.           17. 1     0.3738730    18. 1     0.           19. 1     0.           20. 1     0.1624503
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.6577280    25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.5088835    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.1343120    43. 1     0.           44. 1     0.           45. 1     0.3732892
        46. 1     0.1226580    47. 1     0.           48. 1     0.           49. 1     0.2779144    50. 1     0.1530225
        51. 1     0.           52. 1     0.           53. 1     0.1064110    54. 1     0.           55. 1     0.
        56. 1     0.2689731    57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.1287674    62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.1466729
        66. 1     0.           67. 1     0.1414820    68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.2648269    72. 1     0.1693274     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.37055673
    **  CONTROL=000000000001
        4 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.37055673

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.3067589     2.            0.6294433     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.30676
SUM NO.   2 IS    0.62944

*** 15    INPUT V5        INDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.03314891
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.08838509
    **  CONTROL=000000000003
```

```
          2 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =     0.08830506

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.1779498     3. 1     0.2105958     4. 1     0.            5. 1     0.
         6. 1     0.2040376     7. 1     0.            8. 1     0.            9. 1     0.0233178    10. 1     0.
        11. 1     0.           12. 1     0.            13. 1     0.2011826    14. 1     0.1787257    15. 1     0.0217315
        16. 1     0.           17. 1     0.2024650     18. 1     0.1044349    19. 1     0.           20. 1     0.1753089
        21. 1     0.           22. 1     0.            23. 1     0.           24. 1     0.1774279    25. 1     0.
        26. 1     0.           27. 1     0.            28. 1     0.           29. 1     0.           30. 1     0.2102292
        31. 1     0.           32. 1     0.            33. 1     0.           34. 1     0.0247482    35. 1     0.
        36. 1     0.           37. 1     0.1571101     38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.0670739    42. 1     0.1972047     43. 1     0.0993147    44. 1     0.0999249    45. 1     0.1937070
        46. 1     0.2106291    47. 1     0.0754594     48. 1     0.           49. 1     0.1688086    50. 1     0.1911737
        51. 1     0.           52. 1     0.0785808     53. 1     0.2110867    54. 1     0.           55. 1     0.
        56. 1     0.2172690    57. 1     0.            58. 1     0.           59. 1     0.0576563    60. 1     0.
        61. 1     0.2412946    62. 1     0.            63. 1     0.           44. 1     0.           65. 1     0.2263626
        66. 1     0.0504132    67. 1     0.2120070     68. 1     0.           69. 1     0.1732080    70. 1     0.
        71. 1     0.1354720    72. 1     0.2499646     0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.35478264
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.70956531
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.53217398
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.62086964
   ** CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.62086964

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.0894726     2. 2     0.9113043     0. 0      0.           0. 0      0.           0. 0      0.
SUM NO.   1 IS     0.08947
SUM NO.   2 IS     0.91130

*** 16    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000012      INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06901616
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     3.45341903
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.76121759
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.91511688
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.49206652
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.29054135
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.17477876
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.22766005
   ** CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =     0.22766005

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.0424608     2. 1     0.1373554     3. 1     0.1302194     4. 1     0.            5. 1     0.
         6. 1     0.1283733     7. 1     0.            8. 1     0.1377888     9. 1     0.1330988    10. 1     0.
        11. 1     0.0422304    12. 1     0.1105959    13. 1     0.1402295    14. 1     0.1334700    15. 1     0.1271481
        16. 1     0.1733252    17. 1     0.1197324    18. 1     0.1439526    19. 1     0.0122031    20. 1     0.1269549
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.1396053    25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.           29. 1     0.0664398    30. 1     0.1481737
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.1427062    35. 1     0.
        36. 1     0.           37. 1     0.1039413    38. 1     0.           39. 1     0.           40. 1     0.
        41. 1     0.1346125    42. 1     0.1508197    43. 1     0.1394119    44. 1     0.1601807    45. 1     0.1408344
        46. 1     0.1357674    47. 1     0.1536902    48. 1     0.           49. 1     0.1465941    50. 1     0.1086382
        51. 1     0.           52. 1     0.1270884    53. 1     0.1458823    54. 1     0.           55. 1     0.0806229
        56. 1     0.1241273    57. 1     0.           58. 1     0.           59. 1     0.1142799    60. 1     0.
        61. 1     0.2195479    62. 1     0.           63. 1     0.0570308    64. 1     0.           65. 1     0.1630643
        66. 1     0.1476467    67. 1     0.1416136    68. 1     0.           69. 1     0.1474820    70. 1     0.
        71. 1     0.1387731    72. 1     0.1310592    0. 0      0.           0. 0      0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.08943287
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.79471643
   ** CONTROL=000000000007
          3 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.79471643

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.1867632     2. 2     0.7336708     0. 0      0.           0. 0      0.           0. 0      0.
SUM NO.   1 IS     0.18671
SUM NO.   2 IS     0.75367

*** 17    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000011      INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   ** CONTROL=0000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   ** CONTROL=0000000006
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      5.23253649
   ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      2.72043490
   ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.46438411
   ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.83635071
   ** CONTROL=0000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.52234602
   ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.36533938
   ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.28683652
   ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.32608810
   ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.34571388
   ** CONTROL=0000000007
     11 BIAS CHANGES

     LEVEL   1    MS =     0.09999999    BIAS =     0.34571388

    COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
     1. 1    0.1130376     2. 1     0.1108204     3. 1     0.1153278     4. 1     0.0764710     5. 1     0.
     6. 1    0.1190225     7. 1     0.            8. 1     0.0970994     9. 1     0.1492612     10. 1    0.
    11. 1    0.1175541     12. 1    0.0986482     13. 1    0.0940623     14. 1    0.1277416     15. 1    0.0895263
    16. 1    0.1327632     17. 1    0.1100945     18. 1    0.1203697     19. 1    0.1240084     20. 1    0.1194498
    21. 1    0.            22. 1    0.            23. 1    0.0931364     24. 1    0.1041657     25. 1    0.
    26. 1    0.0995863     27. 1    0.0197514     28. 1    0.            29. 1    0.1120493     30. 1    0.1145877
    31. 1    0.            32. 1    0.            33. 1    0.            34. 1    0.1273592     35. 1    0.
    36. 1    0.            37. 1    0.1017963     38. 1    0.            39. 1    0.            40. 1    0.
    41. 1    0.0938099     42. 1    0.1171130     43. 1    0.1285654     44. 1    0.1237501     45. 1    0.1146806
    46. 1    0.1074209     47. 1    0.1280994     48. 1    0.            49. 1    0.1141755     50. 1    0.0837879
    51. 1    0.            52. 1    0.1225663     53. 1    0.1288299     54. 1    0.            55. 1    0.1331426
    56. 1    0.1110781     57. 1    0.            58. 1    0.            59. 1    0.1275353     60. 1    0.
    61. 1    0.1310855     62. 1    0.            63. 1    0.1092196     64. 1    0.            65. 1    0.1103523
    66. 1    0.1218608     67. 1    0.1008084     68. 1    0.            69. 1    0.1133517     70. 1    0.
    71. 1    0.            72. 1    0.1217119     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.57000000
   ** CONTROL=0000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.69242364
   ** CONTROL=0000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.59621184
   ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.04816593
   ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.77405298
   ** CONTROL=0000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.91107945
   ** CONTROL=0000000007
     6 BIAS CHANGES

     LEVEL   2    MS =     0.            BIAS =     0.91107945

    COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
     1. 2    0.4618201     2. 2     0.5460451     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.46182
SUM NO.   2 IS    0.54605

*** 18    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000010      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   ** CONTROL=0000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   ** CONTROL=0000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.48611103
   ** CONTROL=0000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.34722216
   ** CONTROL=0000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.41666660
   ** CONTROL=0000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.45138881
   ** CONTROL=0000000005
     6 BIAS CHANGES

     LEVEL   1    MS =     0.09999999    BIAS =     0.45138881

    COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
     1. 1    0.0866733     2. 1     0.1033364     3. 1     0.1191535     4. 1     0.1186448     5. 1     0.
     6. 1    0.1039912     7. 1     0.            8. 1     0.0904981     9. 1     0.1232512     10. 1    0.
    11. 1    0.1136738     12. 1    0.0920965     13. 1    0.0887597     14. 1    0.1306779     15. 1    0.0886574
    16. 1    0.1312947     17. 1    0.0972623     18. 1    0.1144903     19. 1    0.0831721     20. 1    0.0938813
    21. 1    0.            22. 1    0.            23. 1    0.1295806     24. 1    0.1023940     25. 1    0.0952509
    26. 1    0.1292628     27. 1    0.1218014     28. 1    0.            29. 1    0.0886416     30. 1    0.1002401
    31. 1    0.0937628     32. 1    0.0929400     33. 1    0.            34. 1    0.1182518     35. 1    0.
    36. 1    0.            37. 1    0.1063932     38. 1    0.            39. 1    0.            40. 1    0.
    41. 1    0.0841028     42. 1    0.0975393     43. 1    0.1159979     44. 1    0.1076356     45. 1    0.0982333
    46. 1    0.0900565     47. 1    0.1174545     48. 1    0.            49. 1    0.1053815     50. 1    0.0800783
    51. 1    0.            52. 1    0.1223698     53. 1    0.1252159     54. 1    0.            55. 1    0.1256854
    56. 1    0.0941661     57. 1    0.            58. 1    0.            59. 1    0.1154292     60. 1    0.
    61. 1    0.0[illegible]2133    62. 1    0.            63. 1    0.0907610     64. 1    0.            65. 1    0.1037711
    66. 1    0.0946634     67. 1    0.1051975     68. 1    0.0749229     69. 1    0.1013504     70. 1    0.
    71. 1    0.[illegible]     72. 1    0.0967243     0. 0     0.            0. 0     0.            0. 0     0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.30725272
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.90362637
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.70181319
   ** CONTROL=000000000017
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.80271977
   ** CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.80271977

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     0.5845470     2. 2     0.4033740     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.58455
SUM NO.   2 IS    0.40337

*** 19    INPUT MS        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37644647
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.83773449
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.29902251
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06837851
   ** CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.06937851

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.3297049     3. 1     0.            4. 1     0.            5. 1     0.
        6. 1     0.            7. 1     0.            8. 1     0.3136591     9. 1     0.           10. 1     0.
       11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.2707275    15. 1     0.
       16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
       21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
       26. 1     0.6976462    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
       31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.6539122    35. 1     0.
       36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.4897469    40. 1     0.
       41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.0415970    45. 1     0.
       46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.5484487
       51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.1066788
       56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
       61. 1     0.           62. 1     0.           63. 1     0.3482285    64. 1     0.2379869    65. 1     0.1083134
       66. 1     0.1284139    67. 1     0.6102423    68. 1     0.           69. 1     0.           70. 1     0.
       71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.23523284
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.47046570
   ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.47046570

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 2     1.0000000     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    1.00000
SUM NO.   2 IS    0.

*** 20    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000003      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.34713037
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.77586499
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.20459960
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.99023230
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.88304865
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.93664047
   ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.93664047

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
        1. 1     0.            2. 1     0.2999397     3. 1     0.            4. 1     0.            5. 1     0.
        6. 1     0.            7. 1     0.            8. 1     0.3061177     9. 1     0.           10. 1     0.
       11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.2508550    15. 1     0.
       16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
       21. 1     0.0426778    22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
       26. 1     0.6407720    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
       31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.6190831    35. 1     0.
       36. 1     0.           37. 1     0.           38. 1     0.0098097    39. 1     0.3952933    40. 1     0.
       41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.1567251    45. 1     0.
       46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.4235214
       51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.1832567
       56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
       61. 1     0.           62. 1     0.           63. 1     0.2331878    64. 1     0.2606601    65. 1     0.1869079
       66. 1     0.1853693    67. 1     0.5838852    68. 1     0.           69. 1     0.           70. 1     0.
       71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
```

```
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      4.46045133
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.48022565
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.49011284
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.99505644
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.24258463
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.35634873
   ** CONTROL= [illegible]
      2 BIAS CHANGES

      LEVEL   [illegible]  WS =      0.                BIAS =      1.36634873

      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
       1. 2     0.          2. 2     0.9784652   3. 0     0.          4. 0     0.          5. 0     0.
SUM NC.   1 IS    0.
SUM NC.   2 IS    0.97343

*** 21    INPUT WS        INCORRECT IDENTIFICATION CORRECT
MINPS=[illegible]      NCYCLS= [illegible]      INDICT=[illegible]


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.0570.291
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.13676377
   ** CONTROL= [illegible]
      2 BIAS CHANGES

      LEVEL   [illegible]  WS =      0.[illegible]    BIAS =     -0.13676377

      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
       1. 1     0.          2. 1     0.2263769   3. 1     0.0879374   4. 1     0.          5. 1     0.
       6. 1     0.4[illegible]7963  7. 1     0.          8. 1     0.5560780   9. 1     0.5246409  10. 1     0.
      11. 1     0.[illegible]1330  12. 1     0.         13. 1     0.2368629  14. 1     0.4034227  15. 1     0.
      16. 1     0.          17. 1     0.         18. 1     0.         19. 1     0.          20. 1     0.[illegible]770821
      21. 1     0.          22. 1     0.         23. 1     0.         24. 1     0.          25. 1     0.0406328
      26. 1     0.[illegible]6[illegible]32  27. 1     0.2953286  28. 1     0.         29. 1     0.          30. 1     0.0603765
      31. 1     0.[illegible]494645  32. 1     0.         33. 1     0.         34. 1     0.1114586  35. 1     0.0066935
      36. 1     0.          37. 1     0.0372073  38. 1     0.         39. 1     0.          40. 1     0.
      41. 1     0.          42. 1     0.0470020  43. 1     0.         44. 1     0.0239807  45. 1     0.
      46. 1     0.[illegible]39667  47. 1     0.0691[illegible]  48. 1     0.4803937  49. 1     0.          50. 1     0.
      51. 1     0.          52. 1     0.         53. 1     0.         54. 1     0.          55. 1     0.
      56. 1     0.          57. 1     0.         58. 1     0.         59. 1     0.          60. 1     0.
      61. 1     0.[illegible]04474  62. 1     0.1565307  63. 1     0.         64. 1     0.          65. 1     0.
      66. 1     0.1816257  67. 1     0.2692763  68. 1     0.         69. 1     0.3045664  70. 1     0.
      71. 1     0.          72. 1     0.         73. 1     0.         74. 1     0.          75. 1     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.[illegible]
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.99642973
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.24321483
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.97161745
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.05741116
   ** CONTROL= [illegible]
      5 BIAS CHANGES

      LEVEL   2    WS =      0.                BIAS =      1.35741116

      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
       1. 2     [illegible]2727460  2. 2     0.9391133   3. 0     0.          4. 0     0.          5. 0     0.
SUM NC.   1 IS    [illegible]7273
SUM NC.   2 IS    0.[illegible]

*** 22    INPUT WS        IDENTIFICATION INCORRECT.
MINPS=[illegible]      NCYCLS= [illegible]      INDICT=[illegible]


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.01218930
   ** CONTROL= [illegible]
      1 BIAS CHANGES

      LEVEL   1    WS =      0.[illegible]    BIAS =      0.01218930

      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
       1. 1     0.          2. 1     0.1773837   3. 1     0.1410910   4. 1     0.          5. 1     0.
       6. 1     0.[illegible]037637  7. 1     0.          8. 1     0.2356004   9. 1     0.0978885  10. 1     0.
      11. 1     0.[illegible]2283333  12. 1     0.         13. 1     0.0634214  14. 1     0.0605024  15. 1     0.
      16. 1     0.          17. 1     0.         18. 1     0.         19. 1     0.          20. 1     0.1176126
      21. 1     0.          22. 1     0.         23. 1     0.1028404  24. 1     0.0439561  25. 1     0.1533934
      26. 1     0.[illegible]234666  27. 1     0.1495509  28. 1     0.         29. 1     0.          30. 1     0.1683367
      31. 1     0.[illegible]4[illegible]  32. 1     0.         33. 1     0.         34. 1     0.1406593  35. 1     0.1312594
      36. 1     0.[illegible]396.70  37. 1     0.1947227  38. 1     0.         39. 1     0.1171347  40. 1     0.
      41. 1     0.[illegible]631433  42. 1     0.0102413  43. 1     0.1230132  44. 1     0.0884217  45. 1     0.
      46. 1     0.[illegible]4946659  47. 1     0.1757901  48. 1     0.0345596  49. 1     0.0455928  50. 1     0.
      51. 1     0.          52. 1     0.         53. 1     0.1090389  54. 1     0.          55. 1     0.
      56. 1     0.[illegible]406131  57. 1     0.         58. 1     0.1437930  59. 1     0.          60. 1     0.
      61. 1     0.[illegible]4511  62. 1     0.1127577  63. 1     0.         64. 1     0.          65. 1     0.
      66. 1     0.[illegible]4646  67. 1     .1643263  68. 1     0.         69. 1     0.1629480  70. 1     0.
      71. 1     0.          72. 1     0.         73. 1     0.         74. 1     0.          75. 1     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.5[illegible]000
   ** CONTROL= [illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.63935249
   ** CONTROL= [illegible]
```

```
        2 BIAS CHANGES

      LEVEL   2    MS =     0.              BIAS =     0.63935269

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2    0.4587735     2. 2     0.6019729     0. 0     0.            0. 0     0.            0. 0     0.
SUM NC.   1 IS    0.45977
SUM NC.   2 IS    0.60197

*** 23    INPUT M5        IDENTIFICATION  INCORRECT.
MINPS=0000000000002       NCYCS=0000000000012       INDICT=0000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06645779
    ** CONTROL=0000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.15926611
    ** CONTROL=0000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.13302696
    ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.13615154
    ** CONTROL=0000000007
        4 BIAS CHANGES

      LEVEL   1    MS =     0.09333993    BIAS =     0.13615154

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1    0.1040603     2. 1     0.1250570     3. 1     0.1191339     4. 1     0.            5. 1     0.0190364
       6. 1    0.1405651     7. 1     0.            8. 1     0.1591788     9. 1     0.1173726     10. 1    0.
      11. 1    0.1325149     12. 1    0.1044779     13. 1    0.1178566     14. 1    0.1000917     15. 1    0.0379363
      16. 1    0.            17. 1    0.            18. 1    0.0839691     19. 1    0.            20. 1    0.1413265
      21. 1    0.            22. 1    0.            23. 1    0.1453693     24. 1    0.1246276     25. 1    0.1204286
      26. 1    0.1328133     27. 1    0.1071474     28. 1    0.            29. 1    0.            30. 1    0.1081626
      31. 1    0.1353963     32. 1    0.            33. 1    0.0466353     34. 1    0.1244487     35. 1    0.1090528
      36. 1    0.1274273     37. 1    0.0960489     38. 1    0.            39. 1    0.0916554     40. 1    0.
      41. 1    0.1954766     42. 1    0.1256361     43. 1    0.1588653     44. 1    0.1361507     45. 1    0.1118799
      46. 1    0.1321303     47. 1    0.1169804     48. 1    0.1038507     49. 1    0.0969532     50. 1    0.1179037
      51. 1    0.            52. 1    0.            53. 1    0.1041500     54. 1    0.            55. 1    0.
      56. 1    0.1231343     57. 1    0.            58. 1    0.1019809     59. 1    0.            60. 1    0.
      61. 1    0.238262      62. 1    0.1053775     63. 1    0.            64. 1    0.            65. 1    0.
      66. 1    0.2688039     67. 1    0.1350658     68. 1    0.0337605     69. 1    0.1329481     70. 1    0.
      71. 1    0.442906      72. 1    0.0459939     0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
    ** CONTROL=0000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.94356739
    ** CONTROL=0000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.72178430
    ** CONTROL=0000000007
        3 BIAS CHANGES

      LEVEL   2    MS =     0.              BIAS =     0.72178430

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2    0.4534432     2. 2     0.4300233     0. 0     0.            0. 0     0.            0. 0     0.
SUM NC.   1 IS    0.45343
SUM NC.   2 IS    0.43002

*** 24    INPUT M6        IDENTIFICATION  INCORRECT.
MINPS=0000000000 2        NCYCS=0000000000011       INDICT=0000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
    ** CONTROL=0000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    31.58458424
    ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    15.87701433
    ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     7.94822937
    ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     4.00893693
    ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     2.03914070
    ** CONTROL=0000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.05429259
    ** CONTROL=0000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.56186853
    ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.31565651
    ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.19255051
    ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.25410351
    ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.22332701
    ** CONTROL=0000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.23871526
    ** CONTROL=0000000007
```

```
 13 BIAS CHANGES

 LEVEL   1    MS =     0.00000000    BIAS =     0.23071526

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.1660227    2. 1    0.0932139    3. 1    0.1169016    4. 1    0.           5. 1    0.1078370
  6. 1    0.1123079    7. 1    0.0626452    8. 1    0.1096002    9. 1    0.2019629   10. 1    0.
 11. 1    0.0942622   12. 1    0.0047741   13. 1    0.0986491   14. 1    0.0007573   15. 1    0.0053482
 16. 1    0.0681120   17. 1    0.0412031   18. 1    0.1000730   19. 1    0.          20. 1    0.1029511
 21. 1    0.          22. 1    0.          23. 1    0.1148926   24. 1    0.0031406   25. 1    0.1001300
 26. 1    0.1654247   27. 1    0.1001130   28. 1    0.          29. 1    0.          30. 1    0.0003410
 31. 1    0.1103221   32. 1    0.          33. 1    0.0359416   34. 1    0.1016567   35. 1    0.0013759
 36. 1    0.0976622   37. 1    0.0790670   38. 1    0.          39. 1    0.0027555   40. 1    0.0029541
 41. 1    0.1429542   42. 1    0.0000047   43. 1    0.1418349   44. 1    0.1009169   45. 1    0.0052974
 46. 1    0.1380326   47. 1    0.0961040   48. 1    0.0867197   49. 1    0.0027078   50. 1    0.1003527
 51. 1    0.          52. 1    0.          53. 1    0.1042724   54. 1    0.0306266   55. 1    0.0207669
 56. 1    0.1126233   57. 1    0.          58. 1    0.0308559   59. 1    0.          60. 1    0.
 61. 1    0.1192612   62. 1    0.0006194   63. 1    0.          64. 1    0.          65. 1    0.
 66. 1    0.1102712   67. 1    0.0304421   68. 1    0.1120055   69. 1    0.3905126   70. 1    0.
 71. 1    0.0996562   72. 1    0.0990569    0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.49064715
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.77030905
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.63048810
   ** CONTROL=000000000007
     3 BIAS CHANGES

 LEVEL   2    MS =     0.           BIAS =     0.63048810

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2    0.6491538    2. 2    0.2742386    0. 0    0.           0. 0    0.           0. 0    0.
SUP NO.   1 IS    0.64915
SUP NO.   2 IS    0.27426

*** 25    INPUT V6        IDENTIFICATION CORRECT
NINPS=000000000001      NCYCS=000000000014      INDICF=0.00000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41630593
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.91534971
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.41439359
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.16487165
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.04031069
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.10249116
   ** CONTROL=000000000007
     6 BIAS CHANGES

 LEVEL   1    MS =     0.00000000    BIAS =    -1.10249116

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.4024485    3. 1    0.           4. 1    0.           5. 1    0.
  6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.          10. 1    0.
 11. 1    0.          12. 1    0.4530127   13. 1    0.          14. 1    0.1653848   15. 1    0.
 16. 1    0.          17. 1    0.          18. 1    0.          19. 1    0.          20. 1    0.
 21. 1    0.3397272   22. 1    0.          23. 1    0.          24. 1    0.          25. 1    0.2801687
 26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.          30. 1    0.
 31. 1    0.4152932   32. 1    0.          33. 1    0.          34. 1    0.          35. 1    0.
 36. 1    0.4835210   37. 1    0.          38. 1    0.          39. 1    0.          40. 1    0.
 41. 1    0.          42. 1    0.          43. 1    0.1664339   44. 1    0.1202519   45. 1    0.
 46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.          50. 1    0.
 51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.1671985   55. 1    0.7890350
 56. 1    0.          57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
 61. 1    0.          62. 1    0.6522084   63. 1    0.2109886   64. 1    0.1038019   65. 1    0.4857149
 66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.          70. 1    0.
 71. 1    0.          72. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.19296830
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.36593662
   ** CONTROL=000000000003
     4 BIAS CHANGES

 LEVEL   2    MS =     0.           BIAS =     0.36593662

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2    1.0000000    2. 2    0.0873656    0. 0    0.           0. 0    0.           0. 0    0.
SUP NO.   1 IS    1.00000
SUP NO.   2 IS    0.08737

*** 26    INPUT V6        IDENTIFICATION  INCORRECT.
NINPS=000000000001      NCYCS=000000000013      INDICF=0.00000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39062081
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.83139794
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.28217504
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.05678651
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.94409223
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.00043936
   ** CONTROL=000000000007
```

```
        4 BIAS CHANGES

        LEVEL   1    MS =     0.09979999    BIAS =    -1.22437647

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT

         1. 1    0.3474943    2. 1    0.           3. 1    0.           4. 1    0.           5. 1    0.
         6. 1    0.           7. 1    0.4584616    8. 1    0.           9. 1    0.          10. 1    0.
        11. 1    0.7337461   12. 1    0.          13. 1    0.          14. 1    0.          15. 1    0.
        16. 1    0.          17. 1    0.          18. 1    0.          19. 1    0.          20. 1    0.7691532
        21. 1    0.          22. 1    0.          23. 1    0.          24. 1    0.          25. 1    0.
        26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.          30. 1    0.4581296
        31. 1    0.3324272   32. 1    0.1430954   33. 1    0.          34. 1    0.          35. 1    0.
        36. 1    0.          37. 1    0.          38. 1    0.          39. 1    0.          40. 1    0.
        41. 1    0.          42. 1    0.          43. 1    0.7494647   44. 1    0.          45. 1    0.
        46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.2329657   50. 1    0.
        51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.4831383   55. 1    0.
        56. 1    0.          57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
        61. 1    0.7278435   62. 1    0.          63. 1    0.          64. 1    0.          65. 1    0.
        66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.          70. 1    0.
        71. 1    0.          72. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.35298924
    ** CONTROL=000000000001
        1 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =     0.35298924

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.3306515    2. 2    0.6470107    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    0.33065
SUM NO.   2 IS    0.64701

*** 29    INPUT V1        IDENTIFICATION CORRECT
MINFS=0000000000012      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30061738
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.48257622
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.65653506
    ** CONTROL=000000000003
        3 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.65653506

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1    0.           2. 1    0.           3. 1    0.           4. 1    0.           5. 1    0.1864086
         6. 1    0.2219134    7. 1    0.           8. 1    0.           9. 1    0.          10. 1    0.0242439
        11. 1    0.          12. 1    0.          13. 1    0.          14. 1    0.          15. 1    0.
        16. 1    0.          17. 1    0.          18. 1    0.          19. 1    0.0383670   20. 1    0.
        21. 1    0.          22. 1    0.6101285   23. 1    0.          24. 1    0.          25. 1    0.1142572
        26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.          30. 1    0.
        31. 1    0.          32. 1    0.1460124   33. 1    0.          34. 1    0.          35. 1    0.
        36. 1    0.5088042   37. 1    0.          38. 1    0.9932659   39. 1    0.          40. 1    0.
        41. 1    0.          42. 1    0.          43. 1    0.          44. 1    0.          45. 1    0.
        46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.          50. 1    0.
        51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.1123090   55. 1    0.
        56. 1    0.          57. 1    0.6226407   58. 1    0.          59. 1    0.          60. 1    0.1099444
        61. 1    0.          62. 1    0.          63. 1    0.4501051   64. 1    0.6889276   65. 1    0.
        66. 1    0.          67. 1    0.          68. 1    0.0445867   69. 1    0.          70. 1    0.
        71. 1    0.          72. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.35108991
    ** CONTROL=000000000001
        1 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =    -1.35108991

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.4239431    2. 2    0.5760569    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    0.42394
SUM NO.   2 IS    0.57606

*** 30    INPUT H2        IDENTIFICATION  INCORRECT.

 NEW G-WEIGHTS FROM RESULT OF INPUT   30


        COMPONENT   1. 1  G-WEIGHTS

             0.43642744          0.51335144          0.49748230          0.50183105          0.49525452
             0.49546844          0.50244141          0.49737549         -0.24980164         -0.56829834
            -0.56611033          -0.57032776         -0.55721936         -0.56823730         -0.40692139
            -0.51058960           0.60273743          0.61320496          0.57199097          0.61065674
             0.61320496           0.55952454          0.21307373          0.21507263         -0.49147034
            -0.48039755          -0.52218628         -0.53466797         -0.48355103         -0.48355103
            -0.48039755          -0.52218628          0.                  0.                  0.

        COMPONENT   2. 1  G-WEIGHTS

             0.49621582          0.46502686          0.56304932          0.53558350          0.48832703
             0.48374039          0.48753357          0.47969055         -0.49746704         -0.51284790
            -0.50937217          -0.45532227         -0.53332520         -0.44299316         -0.48709106
            -0.56106367           0.25643921          0.47956848          0.71061707          0.71061707
             0.41777039           0.18672170          0.50325012          0.73429871         -0.72280884
            -0.59127808          -0.36022949         -0.36022949         -0.36022949         -0.88414001
            -0.36022949          -0.36022949          0.                  0.                  0.
```

COMPONENT 3. 1 G-WEIGHTS

0.54512024	0.50578908	0.40414429	0.52990723	0.41999817
0.54241700	0.53364563	0.51705278	-0.47077942	-0.48206430
-0.46929224	-0.46490479	-0.54083292	-0.69386292	-0.44313049
-0.45530073	0.30057849	0.82633972	0.82560730	0.20790240
0.28831482	0.93879700	0.26155090	0.26220333	-0.28402737
-0.94735718	-0.28402737	-0.42729107	-0.42492676	-0.28402737
-0.42729107	-0.91021289	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.50871113	0.48954773	0.49491855	0.50656128	0.50000052
0.49551392	0.49028015	0.51469421	-0.52244568	-0.55378723
-0.47015381	-0.44433594	-0.51779175	-0.50677490	-0.49098286
-0.49311829	0.51504517	0.34342651	0.49394226	0.51900237
0.54640427	0.44357330	0.47195435	0.47195435	-0.50517273
-0.50948369	-0.48011780	-0.50424194	-0.48313904	-0.48011780
-0.52958679	-0.50848389	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.46316528	0.45826721	0.47044373	0.47702626	0.70535278
0.45960399	0.49383545	0.47169495	-0.49154663	-0.53276062
-0.47383118	-0.48426819	-0.53900144	-0.53451538	-0.48402295
-0.45762634	0.76464844	0.81488037	0.	0.86838909
0.79369591	0.81488037	0.74348450	0.	-0.54701233
-0.52691650	-0.06982422	-0.59405518	-0.54701233	-0.52691650
-0.59405519	-0.59405518	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.59133942	0.54078674	0.45706177	0.50013733	0.53618229
0.57345581	0.41790745	0.50273071	-0.48318481	-0.63053094
-0.44474792	-0.53114319	-0.47258159	-0.44396973	-0.52015686
-0.47297668	0.13276672	0.63039644	0.90988159	0.09536743
0.63039644	0.90988159	0.59564209	0.09536743	-0.44915771
-0.48236084	-0.40930176	-0.16740254	-0.48236084	-0.40930176
-0.63072205	-0.96891785	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.65289307	0.61610413	0.50146484	0.43461609	0.43196106
0.49482727	0.43484497	0.43286133	-0.55984497	-0.19172668
-0.55591065	-0.55801392	-0.55574613	-0.55932617	-0.45974731
-0.55744824	0.59510803	0.57247925	0.70825195	0.57247925
0.70825195	0.59510803	0.08271790	0.16522217	-0.39729309
-0.50242615	-0.51045227	-0.51045227	-0.53309631	-0.50242615
-0.51045227	-0.53309631	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.50283813	0.48582458	0.52177429	0.49560547	0.50321960
0.49708557	0.47926331	0.51383972	-0.45159912	-0.56553650
-0.50843925	-0.44624329	-0.44219971	-0.65026855	-0.47459412
-0.46040344	0.70681763	0.62033081	0.14746094	0.39627075
0.70681763	0.14746094	0.40064002	0.87351990	-0.43841553
-0.52694702	-0.43841553	-0.43841553	-0.52694702	-0.91926575
-0.27293396	-0.43841553	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.35937354	0.49060059	0.51438904	0.51327515	0.55023193
0.54771423	0.53309631	0.48988342	-0.50119019	-0.55491638
-0.46605029	-0.48843384	-0.49189758	-0.50642395	-0.50189209
-0.49044800	0.60661316	0.29075674	0.40394592	0.61053467
0.40394592	0.50129700	0.40002441	0.78195190	-0.50863647
-0.82444763	-0.33329773	-0.61787415	-0.71520996	-0.33329773
-0.33329773	-0.33329773	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.49017334	0.43234253	0.55940247	0.45896912	0.63497925
0.49339234	0.46305847	0.46722412	-0.49394226	-0.58105469
-0.51914978	-0.49230957	-0.48783375	-0.43817139	-0.49409485
-0.49298096	0.82136536	0.47122192	0.17491150	0.53959656
0.52305493	0.82136536	0.47122192	0.17491150	-0.44219971
-0.44219971	-0.44219971	-0.45674133	-0.51054382	-0.80685425
-0.44219971	-0.45674133	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.44418335	0.43820190	0.44644165	0.43911743	0.44206238
0.43947583	0.78079224	0.56918335	-0.55981445	-0.58053589
-0.57476307	-0.57376099	-0.57188416	-0.56111145	0.
-0.57797241	0.60437012	0.60143713	0.51174927	0.60437012
0.60437012	0.58163452	0.48593140	0.	-0.46606445
-0.49035645	-0.59260559	-0.56503296	-0.46606445	-0.46278381
-0.49035645	-0.46606445	0.	0.	0.

COMPONENT 12. 1 G-WEIGH S

0.50729370	0.51991272	0.50491333	0.51303101	0.40960693
0.52280317	0.51980591	0.50277710	-0.51840210	-0.56764221
-0.47215271	-0.51089478	-0.49945068	-0.52003479	-0.45983807
-0.45084570	0.50337219	0.42706299	0.57019043	0.35887146
0.49388123	0.57019043	0.58193970	0.49388123	-0.42951965
-0.41775513	-0.64077759	-0.50582886	-0.42951965	-0.50582886
-0.64077759	-0.42951965	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.49908627	0.44763347	0.45404053	0.56724548	0.55300930
0.59495141	0.43813088	0.53654907	-0.55182539	-0.46007043
-0.44729597	-0.53120052	-0.44366455	-0.44802202	-0.61381013
-0.49408831	0.23962622	0.86504473	0.45941162	0.23962622
0.64209933	0.86504473	0.45941162	0.23962622	-0.29156494
-0.49799805	-0.92178345	-0.51538034	-0.29156494	-0.49799805
-0.29156494	-0.29156494	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.46763611	0.49754333	0.46305193	0.45583191	0.55846694
0.37799072	0.55082783	0.52788151	-0.47550964	-0.53076172
-0.54312134	-0.44844395	-0.55047607	-0.44854736	-0.45265198
-0.54068262	0.28787886	0.35791016	0.61964417	0.90930176
0.34657715	0.63143921	0.56059265	0.28747559	-0.86953735
-0.57618713	-0.28657532	-0.28657532	-0.83110046	-0.57618713
-0.28657532	-0.28657532	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.44925562	0.48925741	0.55827332	0.50838147	0.50337219
0.48799979	0.46052551	0.50639343	-0.38789368	-0.50939941
-0.51313782	-0.51873779	-0.51965332	-0.52313232	-0.51702881
-0.51025391	0.44192505	0.40504456	0.38720703	0.63244629
0.59797668	0.49476624	0.40504456	0.63485718	-0.50927734
-0.45697021	-0.54669189	-0.56452942	-0.35375977	-0.45697021
-0.54669189	-0.56452942	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.49950195	0.52642822	0.42927551	0.44157410	0.47402954
0.53775024	0.55332947	0.54760742	-0.46759033	-0.49736023
-0.51132202	-0.47979736	-0.52590942	-0.45835876	-0.53623962
-0.52275065	0.61485291	0.58920288	0.13342285	0.58175659
0.61485291	0.58920288	0.18173218	0.69435120	-0.50962830
-0.51707458	-0.50962830	-0.48397827	-0.50962830	-0.51707458
-0.44311523	-0.50962830	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.53744507	0.48683167	0.45855713	0.53482056	0.53268433
0.48184466	0.45675659	0.53071594	-0.52323914	-0.46022034
-0.45294189	-0.49172974	-0.56294250	-0.55856797	-0.46083069
-0.48896790	0.35778809	0.78263855	0.35778809	0.75787354
0.60343933	0.60343933	0.35778809	0.17858887	-0.34580994
-0.37057495	-0.52500916	-0.34580994	-0.94985962	-0.34580994
-0.77066040	-0.34580994	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.48718262	0.49263000	0.52371216	0.44810486	0.49067688
0.51420393	0.52154541	0.52110291	-0.49436951	-0.49362183
-0.42265320	-0.52757263	-0.51515198	-0.49435425	-0.54711914
-0.50514221	0.73490906	0.40858459	0.76278687	0.43646240
0.19102478	0.52705383	0.71333313	0.22499084	-0.52540588
-0.40097046	-0.41067505	-0.31755066	-0.64385986	-0.88929749
-0.40097046	-0.41067505	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.50408936	0.52272334	0.47509766	0.48448181	0.52563477
0.44793701	0.51901245	0.52044678	-0.55540466	-0.48460552
-0.51341248	-0.48074341	-0.48135376	-0.48437500	-0.48097229
-0.51891409	0.33349609	0.66891479	0.66891479	0.35224915
0.62699735	0.65016174	0.36524963	0.33349609	-0.44972229
-0.41796875	-0.40771484	-0.69261169	-0.44972229	-0.40771484
-0.72436523	-0.44972229	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.53492737	0.45233154	0.46737671	0.50952148	0.53004456
0.53997803	0.52883911	0.43638611	-0.48992920	-0.51623535
-0.35281372	-0.48565674	-0.50517273	-0.59030151	-0.52525330
-0.53460693	0.55888367	0.69853210	0.69853210	0.38032532
0.50500488	0.62022400	0.32644653	0.21122742	-0.38240051
-0.40682983	-0.70060730	-0.38240051	-0.38240051	-0.40682983
-0.81579590	-0.52201843	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.48458862	0.53028870	0.47807312	0.44960022	0.56654358
0.52140808	0.49421692	0.47486877	-0.49916077	-0.49978638
-0.53068542	-0.50314331	-0.50515747	-0.43582153	-0.51284790
-0.51300049	0.60668945	0.53936768	0.39741516	0.43054199
0.43914795	0.40495300	0.62438965	0.55706787	-0.56471252
-0.53158569	-0.53158569	-0.49739075	-0.35543823	-0.42276001
-0.56471252	-0.53158569	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.47317505	0.47456360	0.47317505	0.47317505	0.61544800
0.52630615	0.47317505	0.49061584	-0.45600891	-0.49577332
-0.51289368	-0.48358154	-0.51289368	-0.51289368	-0.51289368
-0.51289368	0.29391479	0.59182739	0.59182739	0.67912292
0.38121333	0.25959778	0.55751038	0.64480591	-0.55262756
-0.55262756	-0.55262756	-0.63990784	-0.34201050	-0.25473022
-0.55262756	-0.55262756	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.49005127	0.50022208	0.49319294	0.50027466	0.49520903
0.49765015	0.50026208	0.51319204	-0.50617981	-0.46209645
-0.49147034	-0.49481201	-0.51576233	-0.49456787	-0.50089923
-0.51277161	0.46922302	0.46922302	0.61828613	0.49989045
0.43711853	0.49534607	0.57510005	0.44995337	-0.53760921
-0.45614262	-0.50550472	-0.50550472	-0.50550472	-0.50550472
-0.50550472	-0.47769 1	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.52131653	0.56222534	0.55413018	0.30107117	0.56616633
0.54008484	0.56222534	0.39236450	-0.49709429	-0.48121643
-0.44924927	-0.46253967	-0.50054932	-0.45495605	-0.48386365
-0.68954468	0.27696228	0.00039722	0.30316162	0.25130895
0.83662415	0.00039722	0.30316162	0.25130895	-0.30632282
-0.33447266	-0.33447266	-0.92010498	-0.96919750	-0.30632282
-0.33447266	-0.33447266	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.52438354	0.49153137	0.50395203	0.49020386	0.50990515
0.48039514	0.48565674	0.50849915	-0.49059042	-0.49138249
-0.52175903	-0.48583562	-0.47779046	-0.49602295	-0.51390076
-0.52420044	0.55673218	0.50634766	0.43031311	0.57316095
0.55673218	0.43031311	0.57293701	0.57293701	-0.50060665
-0.44354249	-0.45028687	-0.57672119	-0.63306536	-0.45028687
-0.50068665	-0.44354248	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.52120972	0.50666809	0.51208496	0.50904192	0.50582066
0.49891663	0.50274658	0.44203186	-0.48830444	-0.49913025
-0.49950195	-0.50740051	-0.50679016	-0.51232918	-0.49094714
-0.50439453	0.40161133	0.58306555	0.56039429	0.57766724
0.37260437	0.56005859	0.53138733	0.40635681	-0.44662476
-0.44662476	-0.47529602	-0.45002307	-0.61683655	-0.43410950
-0.44662476	-0.47529602	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.41993713	0.42788696	0.49549866	0.49264526	0.52476501
0.66955566	0.48944092	0.47938538	-0.49444580	-0.50039233
-0.49830237	-0.49012756	-0.50573730	-0.50231934	-0.46623230
-0.53298950	0.29255676	0.58876039	0.84877014	0.52210999
0.17008972	0.58876030	0.17008972	0.81799316	-0.53961182
-0.73837200	-0.21295166	-0.53961182	-0.73837200	-0.53961182
-0.10217468	-0.50883484	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.50088501	0.38415527	0.49107361	0.46862793	0.63080909
0.54156494	0.49107361	0.49107361	-0.48078918	-0.50296511
-0.49752508	-0.47289884	-0.52168274	-0.49752808	-0.50685120
-0.51997375	0.50595093	0.23960876	0.54486550	0.81110774
0.52705383	0.26071167	0.56394958	0.54615704	-0.69295229
-0.16297913	-0.71345520	-0.42932129	-0.71345520	-0.42932129
-0.42932129	-0.42932129	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.55903357	0.51062012	0.50665283	0.51264954	0.48689270
0.48213136	0.47547913	0.47476196	-0.47544861	-0.52609253
-0.52622986	-0.49682617	-0.48983765	-0.49453735	-0.50737000
-0.48287964	0.46360779	0.30271912	0.53540039	0.64248657
0.32205200	0.48159790	0.57215933	0.67927551	-0.49012756
-0.45555796	-0.45565796	-0.50811768	-0.64020635	-0.50946045
-0.45545796	-0.45565796	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.46203613	0.45173645	0.81024170	0.45703125	0.43937683
0.46601468	0.44398499	0.46870422	-0.57539368	-0.50323376
-0.50756836	-0.23304749	-0.53930664	-0.49752808	-0.57521057
-0.56593323	0.31069946	0.	0.66181946	0.44519043
0.44165039	0.66181946	0.91335449	0.66535950	-0.72598267
-0.34889221	-0.34889221	-0.72238159	-0.50260925	-0.34889221
-0.49900818	-0.50260925	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.50135803	0.52546692	0.53054810	0.43624033	0.46925354
0.47769165	0.53533936	0.52326965	-0.52262878	-0.52311707
-0.52139282	-0.36512756	-0.46221924	-0.50125122	-0.56211053
-0.54129028	0.35043335	0.57394409	0.57394409	0.53935242
0.57160950	0.38269043	0.40919495	0.59811401	-0.13145447
-0.32035828	-0.55560303	-0.74450684	-0.55325317	-0.58784485
-0.55325317	-0.55325317	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.50170898	0.47512817	0.47930908	0.47996521	0.59606934
0.48095703	0.51080322	0.47573853	-0.52998352	-0.44567871
-0.53152466	-0.51762390	-0.41465759	-0.53620911	-0.49296570
-0.53200586	0.34031677	0.38847351	0.56553650	0.56713867
0.50357056	0.50196838	0.56553650	0.56713867	-0.38446045
-0.54931641	-0.48414612	-0.49955750	-0.54771423	-0.49955750
-0.54931641	-0.48574829	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49713039	0.49719083	0.49896240	0.51071167	0.49761963
0.49945C08	0.50134277	0.49757585	-0.51686096	-0.5C132751
-0.48739624	-0.51604570	-0.51696777	-0.42858887	-0.51643372
-0.51333198	0.42195129	C.41873169	G.44834908	0.50956909
0.49673462	0.50634949	0.50956909	0.44834908	-0.52395957
-0.52677917	-0.49716187	-0.49716187	-0.40432739	-0.52677917
-0.49716187	-C.52677917	C.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

C.50519799	C.46003723	C.52345276	0.54661890	0.50242615
0.46693420	0.51315308	0.48724365	-0.49871826	-0.51097107
-0.50037708	-0.49539185	-0.46292114	-0.52392578	-0.49549066
-0.50321960	0.55247498	0.71720886	0.51539612	0.44781494
C.47186279	0.47296143	0.16429138	0.65713501	-0.49227905
-0.45416156	-0.49227905	-0.45316968	-0.29045105	-0.49227905
-0.59986323	-0.76275635	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

C.47439649	0.49041748	0.49291392	0.48844910	0.47520447
0.48829605	0.47991943	G.61212158	-0.48712158	-0.50697327
-0.50042749	-0.52244894	-0.42791748	-0.51640320	-0.52255249
-0.50923157	0.74930645	G.	0.87512207	0.87512207
0.	0.74998045	0.	0.74998045	-0.50317383
-C.54071045	-0.54071045	0.	-0.54071045	-0.62486267
-C.62486267	-0.62486267	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

C.38209534	0.43191528	1.00000000	0.40957642	0.52087402
C.42559014	0.41134644	0.41844755	-0.53189087	-0.30656763
-C.52560C54	-0.53138733	-0.53001404	-C.38246155	-C.57402039
-C.62344360	0.82966614	0.13600159	0.15541077	0.84907532
0.82966614	0.23733521	C.15541077	0.89717468	-0.63261414
-C.53099060	-0.53099060	G.	-0.63261414	-0.53099060
-C.53099060	-0.61070251	0.	G.	0.

COMPONENT 37. 1 G-WEIGHTS

C.56644975	C.56472778	C.58250427	0.42498779	0.48046875
C.59095764	0.45599365	C.33277993	-0.44822693	-0.51097107
-C.44587768	-G.50131226	-C.52809143	-C.54180908	-0.47128296
-0.55163574	0.61050110	G.64796448	0.35183716	0.64796448
G.18930C54	0.35183716	0.18930G54	G.81050110	-0.23847961
-C.54251099	-C.83859253	-0.37995911	-0.23847961	-0.54251099
-G.83859253	-0.37995911	G.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.53350830	0.46186929	G.56347656	G.46186829	0.48246765
G.48211670	0.46186829	G.55250549	-G.45987756	-0.64268494
-C.49965127	-C.49005127	-C.48913574	-0.49450684	-0.47097778
-C.46333313	0.30107117	G.63198853	0.43466187	0.43466187
C.30694580	0.63786316	0.77146912	C.48C97229	-C.51647949
-G.52236938	-0.67002869	-0.52236938	-0.52236938	-C.26150757
-0.52236938	-0.52236938	G.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.50411387	0.50595093	0.50218201	0.48925781	0.51382446
0.52775574	0.44593911	0.51031494	-C.52493286	-0.52856445
-C.34281921	-0.52873230	-G.52172552	-0.51692200	-0.52378845
-0.51202393	0.42146301	0.56831360	C.63781738	0.36506653
0.56831360	0.36506653	C.37922668	0.69421387	-0.50022888
-C.53389282	-0.56973267	-C.38064575	-0.31114197	-0.50022888
-C.53389282	-0.56973267	G.	C.	0.

COMPONENT 40. 1 G-WEIGHTS

0.50930786	C.47196960	0.48392920	0.50146484	0.52516174
G.49514771	G.51487622	C.48973083	-0.50709534	-0.5C187683
-0.50143433	-0.5C201416	-G.44633484	-0.53686523	-0.50201416
-0.50201416	G.48870850	G.48692322	0.59138489	0.50889587
0.42943420	0.50889587	0.48870850	0.5214386C	-0.46080017
-0.56324658	-C.48098755	-C.48098755	-0.48275757	-0.56524658
-0.48098755	-G.48275757	C.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.49946594	0.51536560	C.48670959	0.50082397	0.53115845
0.45993242	G.49934387	G.50657654	-0.49340820	-0.51829529
-C.48316936	-0.53315735	-C.46737671	-0.48367310	-0.43987793
-0.52047729	0.58305359	G.58305359	C.45640564	0.35119629
C.59837891	0.46173096	0.35652161	C.61894226	-C.42346191
-C.42346191	-0.55010986	-C.42346191	-0.42346191	-0.55010986
-0.55010986	-G.65533447	C.	C.	0.

COMPONENT 42. 1 G-WEIGHTS

0.47715759	C.47982788	C.51995850	0.50451660	0.45747375
0.50721741	0.53327942	0.51995850	-0.47120667	-0.47752330
-0.48477173	-0.48622131	-0.52296448	-0.50184631	-0.53425598
-0.52072618	0.56469727	C.65628052	0.65628052	0.26989746
C.56469727	0.65628052	C.36143071	0.26989746	-0.68666077
-0.39189148	-C.39189148	-0.77924402	-0.48347473	-0.39189148
-C.39189148	-0.48347473	0.	0.	C.

COMPONENT 43. 1 G-WEIGHTS

0.57728577	0.43246440	0.44757[illegible]	0.41698167	0.83229065
0.41572571	0.44583130	0.43090825	-0.50818681	-0.51342773
-0.50566309	-0.49285009	-0.51811218	-0.48646545	-0.53434072
-0.44732666	0.63977051	0.63977051	0.58755495	0.44099015
0.41337236	0.63374329	0.63374329	0.	-0.43795776
-0.43795776	-0.64401245	-0.32177429	-0.43795776	-0.43795776
-0.64401245	-0.43795776	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.52401733	0.49495422	0.48054504	0.49348020	0.40888099
0.44252329	0.51005554	0.51853943	-0.50514227	-0.47068787
-0.51910350	-0.51567078	-0.48295593	-0.53414917	-0.49488283
-0.48565674	0.58290943	0.34722940	0.60843947	0.59152305
0.33574341	0.45216370	0.53938293	0.52224731	-0.66548349
-0.31955335	-0.43135071	-0.44049633	-0.60486677	-0.43135071
-0.43135071	-0.44048633	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.54350281	0.42866516	0.49580383	0.49684143	0.46709887
0.51911426	0.53315735	0.51271357	-0.53025818	-0.45227051
-0.45631426	-0.44963374	-0.44174194	-0.49694824	-0.52415466
-0.64756775	0.30607665	0.32186489	0.73295593	0.70826343
0.28239350	0.69075012	0.70664978	0.23668335	-0.[illegible]
-0.4[illegible]	-0.83073425	-0.39664900	-0.38081360	-0.38081360
-0.84654236	-0.35449219	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.52777100	0.44903564	0.55049133	0.50782776	0.43057251
0.46037729	0.52255249	0.53044128	-0.54533813	-0.40625183
-0.48510742	-0.49415588	-0.46601868	-0.53617859	-0.49783325
-0.45832275	0.70945740	0.24380493	0.67353821	0.67353821
0.37205615	0.49005127	0.65222168	0.18656921	-0.40379333
-0.40379333	-0.40379333	-0.86943054	-0.40379333	-0.40379333
-0.40379333	-0.76724487	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.52911[illegible]	0.51718140	0.51139832	0.52297974	0.44937134
0.49767090	0.49629211	0.49420166	-0.50773621	-0.48805237
-0.50259399	-0.51292419	-0.47991943	-0.49633899	-0.51710510
-0.49655151	0.31488037	0.43341064	0.59269714	0.57766724
0.43391[illegible]	0.43341064	0.57766724	0.63363530	-0.43188047
-0.73444[illegible]02	-0.41407776	-0.42912292	-0.41407776	-0.57287390
-0.57336426	-0.42912292	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.49388611	0.51687622	0.44568389	0.51649475	0.50160400
0.50326538	0.51341248	0.42283579	-0.51501465	-0.50504167
-0.16754150	-0.64250183	-0.54629517	-0.52386475	-0.56350708
-0.47485352	0.17419434	0.56033325	0.50187683	0.56033325
0.94073486	0.52746582	0.14706421	0.58746338	-0.39619446
-0.42176819	-0.42176819	-0.77658081	-0.36328125	-0.42176819
-0.42176819	-0.77658081	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.43973[illegible]3	0.50512695	0.52040100	0.39071655	0.53909302
0.51931[illegible]82	0.52111816	0.51383972	-0.52207947	-0.46525574
-0.53094492	-0.51779175	-0.51347351	-0.52142334	-0.46322632
-0.46498353	0.46507263	0.10414124	0.22700500	0.83060779
0.32302747	0.79040527	0.82022095	0.42948914	-0.39015196
-0.36035156	-0.87380981	-0.75097656	-0.39015190	-0.36035156
-0.36[illegible]33.56	-0.51298523	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.49833679	0.53851318	0.51458740	0.48274231	0.45390320
0.53892517	0.53065613	0.47164917	-0.54428101	-0.48191833
-0.47993546	-0.54222107	-0.47079468	-0.48631287	-0.51811218
-0.47662354	0.45761108	0.66705322	0.66705322	0.39347839
0.39296509	0.63804626	0.35395813	0.43911743	-0.64462280
-0.36053467	-0.63410950	-0.36053467	-0.36053467	-0.36053467
-0.63410950	-0.64462280	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.55560303	0.50363049	0.50563049	0.48889160	0.49334717
0.46835327	0.47657776	0.50563049	-0.53291321	-0.46086121
-0.54031372	-0.49578857	-0.40768433	-0.53067017	-0.51564026
-0.51564026	0.41578674	0.64434814	0.55857849	0.41578674
0.41578674	0.55857849	0.33001709	0.66088867	-0.58213806
-0.49636841	-0.49636841	-0.35359192	-0.58213806	-0.49636841
-0.49636841	-0.49636841	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.40315247	0.53862427	0.50904846	0.40527344	0.53019714
0.53247070	0.49363708	0.56692505	-0.45825195	-0.56101990
-0.45043945	-0.46781921	-0.58009338	-0.55731201	-0.47203064
-0.45233154	0.37481689	0.25152588	0.83088684	0.36066760
0.24537659	0.79467773	0.33245850	0.80082703	-0.35354614
-0.35354614	-0.81579590	-0.47683716	-0.35354614	-0.35354614
-0.81579590	-0.47683716	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51083509	0.49790504	0.49824063	0.49737549	0.50603404
0.50570679	0.49290456	0.49018970	-0.45410044	-0.48429071
-0.50286194	-0.47479246	-0.52410009	-0.40970032	-0.54417419
-0.48394775	0.61935425	0.61935425	0.27420044	0.37026470
0.32446186	0.56042400	0.62560665	0.60629272	-0.47406406
-0.40970822	-0.40870822	-0.70000781	-0.75387573	-0.40470822
-0.40870822	-0.42819214	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.48222351	0.53804808	0.54301343	0.50998295	0.48222351
0.48307146	0.47303772	0.48437500	-0.45077515	-0.50767517
-0.50773621	-0.50942093	-0.50241009	-0.50770560	-0.50582806
-0.50004138	0.62523804	0.74362183	0.77050781	0.52185713
0.47001318	0.76774597	0.47325134	0.22241211	-0.50160400
-0.50160400	-0.56323242	-0.28260003	-0.56323242	-0.31060420
-0.53515625	-0.50160400	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.50242615	0.48391724	0.44831948	0.52523804	0.55274963
0.54129028	0.47473145	0.47050476	-0.49141682	-0.56411987
-0.50205994	-0.50016345	-0.50087244	-0.50122070	-0.52782332
-0.49549066	0.37077332	0.54370117	0.63608640	0.44465637
0.50343323	0.51087761	0.59089661	0.39066630	-0.45430837
-0.44667480	-0.37340938	-0.56570435	-0.71162415	-0.50604275
-0.45420837	-0.44667480	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48204041	0.48001099	0.54716492	0.54510498	0.49613953
0.46365247	0.54516498	0.43783569	-0.45049609	-0.44232178
-0.52914429	-0.54357581	-0.60681132	-0.45573425	-0.46908286
-0.48735246	0.76823374	0.23415918	0.24401855	0.36749268
0.74333191	0.77496311	0.61384779	0.24401855	-0.74108232
-0.34115601	-0.34115601	-0.49539105	-0.87124634	-0.34115601
-0.49539105	-0.37188721	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.48001099	0.48001099	0.48001099	0.47076416	0.53932190
0.46663330	0.56343079	0.49946594	-0.53048267	-0.53271484
-0.53041677	-0.39289856	-0.48411560	-0.53271484	-0.51614490
-0.47413635	0.54649353	0.63233948	0.30790710	0.59158696
0.67735271	0.39375305	0.30583191	0.54441833	-0.26580811
-0.54940796	-0.54940796	-0.35165405	-0.54940796	-0.54940796
-0.54940796	-0.63525391	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.47949219	0.55319214	0.51635742	0.50401306	0.48442078
0.48675537	0.49519348	0.48019409	-0.51660156	-0.51033020
-0.50988770	-0.46383667	-0.50463867	-0.51235962	-0.50605774
-0.47596741	0.62922668	0.39329529	0.61953735	0.41207886
0.51687952	0.41207886	0.39329529	0.62922668	-0.45869446
-0.58598328	-0.48716736	-0.35003662	-0.45869446	-0.58598328
-0.48716736	-0.58598328	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.42[illegible]725	0.42919922	0.50080716	0.44555774	0.51162720
0.52558899	0.51339722	0.54371643	-0.46430969	-0.47836778
-0.47151184	-0.50457764	-0.56892395	-0.47370911	-0.57038879
-0.46775918	0.65759277	0.35516357	0.69139099	0.38896179
0.27870178	0.58113098	0.38896179	0.65759277	-0.80946350
-0.39675903	-0.39675903	-0.69920349	-0.39675903	-0.50701904
-0.39675903	-0.39675903	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.49885559	0.49815369	0.52514648	0.48890686	0.49456787
0.50080872	0.50384521	0.48907471	-0.51250610	-0.52975464
-0.48477173	-0.52812195	-0.52757263	-0.51946547	-0.47477722
-0.52244568	0.46800232	0.47905442	0.62214661	0.54763794
0.40756226	0.37344360	0.58802795	0.51351929	-0.59906006
-0.53558350	-0.53862000	-0.53558350	-0.53558350	-0.32098389
-0.39550781	-0.53862000	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

0.84043462	0.46092224	0.39274597	0.47216797	0.45597839
0.47433575	0.44177246	0.46086121	-0.51861572	-0.51022339
-0.52716064	-0.51988220	-0.51200867	-0.51327515	-0.41380310
-0.48435974	0.57707214	0.78959656	0.81669617	0.22492981
0.57707214	0.78959656	0.22492981	0.	-0.40757751
-0.37846375	-0.94636536	-0.40757751	-0.40757751	-0.40757751
-0.63713074	-0.40757751	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.51361084	0.50703430	0.48735046	0.51361084	0.49397278
0.42721558	0.51361084	0.54325867	-0.44834900	-0.49862671
-0.49662781	-0.51020813	-0.51223755	-0.49942017	-0.51945496
-0.51464844	0.54820251	0.37675476	0.46060181	0.63204956
0.54820251	0.54820251	0.37675476	0.50880432	-0.44615173
-0.61759949	-0.53375244	-0.44615173	-0.44615173	-0.44615173
-0.44615173	-0.61759949	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.50896536	0.49113464	0.49298466	0.51228333	0.50838714
0.49266432	0.51138306	0.48393250	-0.49995752	-0.48608425
-0.49418640	-0.52546826	-0.47005571	-0.52614082	-0.50972984
-0.47339227	0.50897217	0.54966736	0.46377563	0.53287997
0.49137870	0.44618225	0.44618225	0.56130981	-0.47937012
-0.52456465	-0.52456465	-0.47937012	-0.47937012	-0.47937012
-0.52456465	-0.57860596	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.49247742	0.51469421	0.48941040	0.48941040	0.49894473
0.49729342	0.51050630	0.50894165	-0.53356934	-0.53486443
-0.53418643	-0.53290206	-0.51520440	-0.46510315	-0.35408870
-0.52516374	0.54214478	0.45812980	0.56744305	0.38204302
0.48342896	0.48342896	0.55371094	0.52041107	-0.33439526
-0.62155151	-0.52096550	-0.52096550	-0.33439526	-0.42195151
-0.52096550	-0.52096550	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.52536611	0.51957703	0.51959229	0.41170094	0.35216900
0.44749451	0.54472351	0.47040511	-0.44139099	-0.42981824
-0.51823232	-0.48310052	-0.42648152	-0.52101135	-0.35123981
-0.42832947	0.03132935	0.15722654	0.73009155	0.46119994
0.42439198	0.79280086	0.35390865	0.37767029	-0.37500000
-0.72398747	-0.70019531	-0.37500000	-0.37500000	-0.70019531
-0.37500000	-0.37500000	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

0.73183360	0.47473145	0.44506036	0.42318726	0.42402530
0.53922035	0.47969355	0.47937012	-0.53553772	-0.40972003
-0.47428494	-0.51130676	-0.50369263	-0.52931213	-0.45746090
-0.49864197	0.37113953	0.60443115	0.76545552	0.19064405
0.41835022	0.47204590	0.50793457	0.64915094	-0.51208444
-0.80221559	-0.38821411	-0.51265444	-0.45835076	-0.22700900
-0.51265444	-0.58731079	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.52450502	0.49661255	0.51919030	0.55601501	0.44500242
0.43539429	0.50016345	0.51362610	-0.47278203	-0.55993725
-0.49555151	-0.47650144	-0.50268555	-0.48409500	-0.53136195
-0.47967529	0.47775269	0.73381042	0.73381642	0.71427917
0.47059326	0.16057910	0.52194214	0.22825423	-0.35372925
-0.35372925	-0.37326050	-0.35372925	-0.35372925	-0.66694641
-0.91896157	-0.62527466	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49984233	0.53935242	0.49639893	0.48571777	0.49513245
0.43365234	0.49459939	0.49598694	-0.59091553	-0.54349426
-0.50093079	-0.51107788	-0.50709534	-0.50399780	-0.47957068
-0.49864307	0.53916931	0.50671387	0.71481018	0.53916931
0.45962257	0.46176147	0.53916931	0.53916931	-0.55964661
-0.51470947	-0.51269531	-0.43528748	-0.51470947	-0.46775818
-0.55964661	-0.43528748	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.48475647	0.48896790	0.47705078	0.45521545	0.52373793
0.49066711	0.55195616	0.53672791	-0.42028889	-0.50051950
-0.53630666	-0.51919356	-0.50541870	-0.49774170	-0.48948639
-0.44502258	0.25061035	0.29292297	0.88835144	0.27465820
0.58277393	0.88238325	0.26069202	0.55873100	-0.35958862
-0.85853577	-0.58676147	-0.28715515	-0.35958862	-0.90006365
-0.26715515	-0.35958862	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.51736450	0.52410889	0.52108765	0.47508240	0.51765442
0.52207747	0.40504456	0.51736450	-0.50442505	-0.50081958
-0.51097640	-0.50378418	-0.50119019	-0.50442505	-0.59219860
-0.37472534	0.43302917	0.19030762	0.56687927	0.08960883
0.45422363	0.21150208	0.54568481	0.78849637	-0.55418767
-0.79691396	-0.44146729	-0.44146729	-0.44146729	-0.44146729
-0.44146729	-0.44146729	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.49575806	0.50000000	0.54008484	0.53308105	0.51525079
0.53868103	0.41082764	0.46548462	-0.49760437	-0.53524700
-0.47475093	-0.46833801	-0.53742981	-0.47448730	-0.47634008
-0.53497314	0.48463135	0.38372803	0.18772888	0.39552307
0.65156555	0.44377134	0.63977051	0.61251831	-0.70983887
-0.38168335	-0.40893555	-0.58947754	-0.70983887	-0.38168335
-0.40893555	-0.40893555	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.50734302	0.50030518	0.52993723	0.51347351	0.45485933
0.44667053	0.54650879	0.49998474	-0.56166077	-0.47970581
-0.48355103	-0.48303223	-0.46464539	-0.56733704	-0.40455811
-0.47485352	0.28959656	0.68058777	0.67271423	0.34648132
0.33546448	0.56338501	0.55551147	0.55551147	-0.36213684
-0.70726013	-0.43003845	-0.77516174	-0.43003845	-0.43791199
-0.43791199	-0.41900635	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.56030160	-0.50000000	0.24002075	0.47033691	0.67379761
0.73370483	0.56120300	0.53317261	0.69433594	0.61456299
0.52023075	0. 7222900	0.33202471	0.95074634	0.50430110
0.39747620	0.[illegible]063330	1.00000000	0.81307903	0.63214417
0.29979491	0.3[illegible]193679	0.54734002	0.78108269	0.29906175
0.50312980	0.64522264	0.30633254	0.57009000	0.30490112
0.07952801	0.66256714	0.73062134	1.00000000	0.06090332
0.53877563	0.33616968	0.42820740	0.95940702	0.54006330
0.24460994	0.92663330	0.70440049	0.03150569	0.34090747
0.67954740	0.09181213	0.24716107	0.49954553	0.57273065
0.04465927	0.55998230	0.03003305	0.25230637	0.20002773
0.59362520	0.14924622	1.00000000	0.17707825	0.43394694
0.23139954	0.05409154	0.42900241	0.29774475	-0.42202104
-0.63146973	-0.52430725	-0.40475647	-0.69120418	-0.61578369
-0.47943125	-0.76401620	-0.45201902	-0.44706726	-0.22772217
-0.96276059	-0.45707703	-0.65052795	-0.00722046	-0.26760968
-0.01465750	-0.77104504	-0.54179302	-0.05795593	-0.45326233
-0.39653015	-0.63900757	-0.37104934	-0.03200945	-0.20324707
-0.09946044	-0.59603002	-0.70221130	-0.53640376	-0.37042236
-0.24909973	-0.60427020	-0.65156555	-0.47306824	-0.72210049
-0.90906051	-0.77409506	-0.62416565	-0.67010059	-0.40506165
-0.37261963	-0.71942139	-0.01002663	-0.72151723	-0.30009540
-0.30249623	-0.29070235	-0.31404114	0.	-0.60244751
-0.34643804	-0.49370057	-0.34006624	-0.06819153	-0.01939392
-0.01993192	0.	-0.23722839	-0.63032092	-0.56239319
-0.45996094	0.	0.	0.	0.

COMPONENT 2. 2 G-WEIGHTS

0.5[illegible]0000	-0.50000000	0.57943829	0.37797546	[illegible]9181
0.16430293	0.45936504	0.21713257	0.22075977	0.02310181
0.04970943	0.43196106	0.60473633	0.61711[illegible]	0.72004260
0.54762432	0.45406995	0.67620479	0.3[illegible]027	0.53047100
0.75753706	0.72030269	0.94499426	0.44469116	0.33224407
0.47151[illegible]	0.26571655	0.79695129	0.17250165	0.35200500
0.90187[illegible]	0.86242676	0.35054016	0.54463513	0.41564941
0.55271312	0.59831074	0.29423523	0.91166607	0.50756362
0.55613768	0.02310181	0.94495344	0.02310181	0.52612305
0.61474629	0.02426453	0.69544983	0.17015076	0.63609314
0.24065723	0.55706787	0.57273065	0.28370667	0.78593445
0.10340511	0.70558350	0.69300847	0.65556335	0.66501726
0.43073596	0.52954321	0.55094509	0.82473755	-0.43203001
-0.64066630	-0.44668743	-0.97409554	-0.74943542	-0.56045093
-0.60623169	-0.05451965	-0.47309221	-0.94918823	-0.95919000
-0.41911916	-0.59965515	-0.93073596	-0.41336060	-0.28515625
-0.17379761	-0.36206055	-0.48990686	-0.47999573	-0.25556946
-0.27859497	-0.07919312	-0.69844055	-0.50518992	-0.49062034
-0.55210076	-0.32011414	-0.21279957	-0.67893982	-0.37458001
-0.70637697	-0.47657776	-0.33854675	-0.07530518	-0.22760010
-0.50436491	-0.22666931	-0.89249023	-0.97409058	-0.73753357
-0.11299216	-0.50602722	-0.47065735	-0.97409058	-0.34936523
-0.67071533	-0.97409058	-0.40319290	-0.19148804	-0.15750122
-0.06792483	-0.1927 540	-0.41339111	-0.74424744	-0.23103333
-0.40223694	-0.47398376	-0.34939151	-0.77272034	-0.01287042
-0.24412537	0.	0.	0.	0.

MINPS=0000000012 MCYCS=0000000013 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24356610
•• CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35375324
•• CONTROL=0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.46394038
•• CONTROL=0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40884681
•• CONTROL=0000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.40984681

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1266162	3. 1	0.	4. 1	0.	5. 1	0.2111704
6. 1	0.2341238	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.2135025
11. 1	0.	12. 1	0.	13. 1	0.1677195	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1964107	20. 1	0.
21. 1	0.0364599	22. 1	0.2312782	23. 1	0.	24. 1	0.1569496	25. 1	0.2478555
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0904788	30. 1	0.
31. 1	0.	32. 1	0.2292840	33. 1	0.2474589	34. 1	0.	35. 1	0.2164141
36. 1	0.2640949	37. 1	0.	38. 1	0.4354755	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.1798737	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1710224	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2165537	55. 1	0.
56. 1	0.	57. 1	0.2209599	58. 1	0.	59. 1	0.0370770	60. 1	0.2726579
61. 1	0.	62. 1	0.	63. 1	0.3844024	64. 1	0.2311546	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2291886	69. 1	0.	70. 1	0.2040467
71. 1	0.	72. 1	0.0269932	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.28705774
•• CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57411550
•• CONTROL=0000000003

```
  5 BIAS CHANGES

LEVEL   1    PS =     0.            BIAS =    -0.57611556

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    [illegible]   2. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    [illegible]
SUM NO.   2 IS    [illegible]

*** 31    INPUT [illegible]        IDENTIFICATION CORRECT
MINPS=[illegible]      NCVCS=[illegible]      INDICT=[illegible]


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35623[illegible]
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -2.01921363
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.28714220
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.[illegible]
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.10044961
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.10054328
   ** CONTROL=[illegible]
  6 BIAS CHANGES

LEVEL   1    PS =     0.09999999    BIAS =    -1.10054328

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.           3. 1    0.           4. 1    0.0069100    5. 1    0.
  6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.           10. 1    0.
 11. 1    0.          12. 1    0.          13. 1    0.          14. 1    0.           15. 1    0.
 16. 1    0.5509517   17. 1    0.          18. 1    0.          19. 1    0.1009676    20. 1    0.
 21. 1    0.          22. 1    0.          23. 1    0.1281560   24. 1    3.7319200    25. 1    0.
 26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.2977980    30. 1    0.
 31. 1    0.          32. 1    0.          33. 1    0.          34. 1    0.           35. 1    0.
 36. 1    0.          37. 1    0.          38. 1    0.          39. 1    0.           40. 1    0.
 41. 1    0.4810432   42. 1    0.0617594   43. 1    0.          44. 1    0.           45. 1    0.
 46. 1    0.          47. 1    0.4218679   48. 1    0.4913445   49. 1    0.           50. 1    0.
 51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.           55. 1    0.
 56. 1    0.          57. 1    0.4219939   58. 1    0.          59. 1    0.           60. 1    0.1299222
 61. 1    0.          62. 1    0.          63. 1    0.          64. 1    0.           65. 1    0.
 66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.           70. 1    0.
 71. 1    0.          72. 1    0.1459362   73. 0    0.          74. 0    0.           75. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43345076
   ** CONTROL=[illegible]
  7 BIAS CHANGES

LEVEL   2    PS =     0.            BIAS =    -0.43345076

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.5020140    2. 2    0.4971060    3. 3    0.           4. 0    0.           5. 0    0.
SUM NO.   1 IS    [illegible]
SUM NO.   2 IS    0.49713

*** 32    INPUT [illegible]        IDENTIFICATION  INCORRECT.
MINPS=[illegible]      NCVCS=[illegible]      INDICT=[illegible]


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.33262692
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.75990203
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.15737714
   ** CONTROL=[illegible]
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97363959
   ** CONTROL=[illegible]
  4 BIAS CHANGES

LEVEL   1    PS =     0.09999999    BIAS =    -0.97363959

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.           3. 1    0.           4. 1    0.1713930    5. 1    0.
  6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.           10. 1    0.
 11. 1    0.          12. 1    0.          13. 1    0.          14. 1    0.           15. 1    0.
 16. 1    0.0135694   17. 1    0.          18. 1    0.          19. 1    0.1717713    20. 1    0.
 21. 1    0.          22. 1    0.          23. 1    0.1693521   24. 1    0.6631884    25. 1    0.
 26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.2690024    30. 1    0.
 31. 1    0.          32. 1    0.          33. 1    0.          34. 1    0.           35. 1    0.
 36. 1    0.          37. 1    0.          38. 1    0.          39. 1    0.           40. 1    0.
 41. 1    0.0434617   42. 1    0.3961501   43. 1    0.          44. 1    0.           45. 1    0.
 46. 1    0.          47. 1    0.3550556   48. 1    0.3960445   49. 1    0.           50. 1    0.
 51. 1    0.          52. 1    0.          53. 1    0.0717678   54. 1    0.           55. 1    0.
 56. 1    0.          57. 1    0.3479770   58. 1    0.0229336   59. 1    0.           60. 1    0.1025933
 61. 1    0.          62. 1    0.          63. 1    0.          64. 1    0.           65. 1    0.
 66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.           70. 1    0.
 71. 1    0.          72. 1    0.1967296   73. 0    0.          74. 0    0.           75. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.51205145
   ** CONTROL=[illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.95001575
   ** CONTROL=[illegible]
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.23103361
   ** CONTROL=[illegible]
  3 BIAS CHANGES

LEVEL   2    PS =     0.            BIAS =    -1.23103361

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 2    1.0962033    3. 0    0.           4. 0    0.           5. 0    0.
SUM NO.   1 IS    [illegible]
SUM NO.   2 IS    1.[illegible]

*** 33    INPUT [illegible]        IDENTIFICATION CORRECT
MINPS=[illegible]      NCVCS=[illegible]      INDICT=[illegible]
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.22849435
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40702514
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.58555594
   **   CONTROL=000000000007
          3 BIAS CHANGES

        LEVEL   1    MS =     0.03999999    BIAS =    -0.58555594

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.0382764    8. 1     0.           9. 1     0.          10. 1     0.5441364
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.0814841   19. 1     0.          20. 1     0.
        21. 1     0.2465539   22. 1     0.6846737   23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.5586028   29. 1     0.0730031   30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.6418587   39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.4051171   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.6154390   58. 1     0.1787312   59. 1     0.          60. 1     0.2718574
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.3734806
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.24629194
   **   CONTROL=000000000001
          1 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =    -0.24629194

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     1.0030128    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.00501
SUM NO.   2 IS    0.

***  34    INPUT NO        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.44836032
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.91229136
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.37622240
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.14425689
   **   CONTROL=000000000007
          4 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.14425689

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.1488269    4. 1     0.5572933    5. 1     0.0810054
         6. 1     0.8160270    7. 1     0.           8. 1     0.          10. 1     0.          10. 1     0.8161384
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.3309355   19. 1     0.          20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.0979425   24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.2624723   29. 1     0.2421844   30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.5937308
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.2232583   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.0525847   54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.0149882   60. 1     0.3768460
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.39403586
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.68440296
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.53921941
   **   CONTROL=000000000007
          3 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =     0.53921941

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.2048695    2. 2     0.7511477    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.20487
SUM NO.   2 IS    0.75115

***  35    INPUT NO        INDENTIFICATION CORRECT
MINPS=000000000006      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.03585768
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.10082969
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06833369
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.08458167
   **   CONTROL=000000000007
```

```
        4 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =     0.08458167

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.0500013     4. 1     0.0876987     5. 1     0.
       6. 1     0.            7. 1     0.1289284     8. 1     0.1203622     9. 1     0.3995843    10. 1     0.1436042
      11. 1     0.           12. 1     0.0853782    13. 1     0.            14. 1     0.2614373    15. 1     0.
      16. 1     0.2542184    17. 1     0.0468329    18. 1     0.            19. 1     0.           20. 1     0.
      21. 1     0.0599887    22. 1     0.1270768    23. 1     0.            24. 1     0.           25. 1     0.
      26. 1     0.2314907    27. 1     0.2596808    28. 1     0.1491002     29. 1     0.           30. 1     0.0273492
      31. 1     0.2989445    32. 1     0.           33. 1     0.            34. 1     0.0557382    35. 1     0.
      36. 1     0.           37. 1     0.3559121    38. 1     0.            39. 1     0.0662468    40. 1     0.0640052
      41. 1     0.           42. 1     0.           43. 1     0.            44. 1     0.1663220    45. 1     0.
      46. 1     0.           47. 1     0.1325654    48. 1     0.            49. 1     0.           50. 1     0.
      51. 1     0.1913864    52. 1     0.0623796    53. 1     0.0226844     54. 1     0.           55. 1     0.0808739
      56. 1     0.           57. 1     0.1033087    58. 1     0.1821495     59. 1     0.           60. 1     0.
      61. 1     0.2761155    62. 1     0.           63. 1     0.            64. 1     0.           65. 1     0.1809158
      66. 1     0.           67. 1     0.1577379    68. 1     0.            69. 1     0.0175634    70. 1     0.
      71. 1     0.0742878    72. 1     0.            0. 0     0.             0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.48160715
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.89240590
    ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.68700653
    ** CONTROL=000000000007
        3 BIAS CHANGES

      LEVEL   2    MS =     0.            BIAS =     0.68700653

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     0.7237922     2. 2     0.2436128     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.72379
SUM NO.   2 IS    0.24361

*** 36    INPUT H4        INDENTIFICATION CORRECT
MINPS=000000000005      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37577376
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.85049988
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.32522601
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.08786295
    ** CONTROL=000000000007
        4 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =    -1.08786295

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1     0.            2. 1     0.            3. 1     0.7117783     4. 1     0.            5. 1     0.
       6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.
      11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.4176257
      16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
      21. 1     0.           22. 1     0.1310723    23. 1     0.           24. 1     0.           25. 1     0.
      26. 1     0.           27. 1     0.           28. 1     0.0855175    29. 1     0.           30. 1     0.
      31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.0525617    35. 1     0.
      36. 1     0.           37. 1     0.           38. 1     0.4866238    39. 1     0.           40. 1     0.
      41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.5737063
      46. 1     0.4074669    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.2109623
      51. 1     0.5541969    52. 1     0.2631574    53. 1     0.           54. 1     0.           55. 1     0.
      56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
      61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
      66. 1     0.           67. 1     0.6316697    68. 1     0.           69. 1     0.3638797    70. 1     0.
      71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.49113533
    ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.99556766
    ** CONTROL=000000000007
        3 BIAS CHANGES
      LEVEL   2    MS =     0.            BIAS =     0.99556766

     COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2     0.2248962     2. 2     0.8308826     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.22490
SUM NO.   2 IS    0.83088

*** 37    INPUT V4        INDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.83818209
    ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.02325770
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.61579551
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.41206442
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.31019887
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.36113164
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.38659802
    ** CONTROL=000000000007
```

```
        9 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =     0.38659802

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1    0.1715995     2. 1     0.            3. 1     0.0774611     4. 1     0.3106640     5. 1     0.
       6. 1    0.            7. 1     0.            8. 1     0.            9. 1     0.1833291    10. 1     0.
      11. 1    0.1995313    12. 1     0.1585609    13. 1     0.            14. 1    0.2603603    15. 1     0.0996080
      16. 1    0.2466394    17. 1     0.1369510    18. 1     0.0727470     19. 1    0.0147049    20. 1     0.0842528
      21. 1    0.           22. 1     0.           23. 1     0.1375074     24. 1    0.0347502    25. 1     0.
      26. 1    0.2317759    27. 1     0.           28. 1     0.            29. 1    0.0543308    30. 1     0.1406806
      31. 1    0.0002074    32. 1     0.0091383    33. 1     0.            34. 1    0.0753122    35. 1     0.
      36. 1    0.           37. 1     0.0294625    38. 1     0.            39. 1    0.           40. 1     0.
      41. 1    0.0520697    42. 1     0.0193481    43. 1     0.1789190     44. 1    0.0598589    45. 1     0.
      46. 1    0.           47. 1     0.1123761    48. 1     0.            49. 1    0.0919503    50. 1     0.1058495
      51. 1    0.           52. 1     0.1604787    53. 1     0.1648125     54. 1    0.           55. 1     0.2390453
      56. 1    0.1299561    57. 1     0.           58. 1     0.            59. 1    0.1257975    60. 1     0.
      61. 1    0.0958509    62. 1     0.           63. 1     0.1545052     64. 1    0.           65. 1     0.1260131
      66. 1    0.           67. 1     0.0042202    68. 1     0.0205477     69. 1    0.           70. 1     0.
      71. 1    0.1647178    72. 1     0.1415942    0. 0      0.            0. 0     0.           0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.22536066
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.86268033
   ** CONTROL=000000000007
        3 BIAS CHANGES

      LEVEL   2    MS =     0.            BIAS =     0.86268033

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2    0.1051077     2. 2     0.7707235     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.10519
SUM NO.   2 IS    0.77072

*** 38    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.48611103
   ** CONTROL=000000000001
        3 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =     0.48611103

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 1    0.087473.     2. 1     0.0384757     3. 1     0.0957556     4. 1     0.0988976     5. 1     0.
       6. 1    0.            7. 1     0.            8. 1     0.            9. 1     0.1010224    10. 1     0.
      11. 1    0.0966373    12. 1     0.0658917    13. 1     0.0282603    14. 1     0.0948724    15. 1     0.0853418
      16. 1    0.1310233    17. 1     0.1105480    18. 1     0.1079959    19. 1     0.0976161    20. 1     0.0983648
      21. 1    0.           22. 1     0.           23. 1     0.1396763    24. 1     0.1047226    25. 1     0.0508989
      26. 1    0.1323314    27. 1     0.           28. 1     0.           29. 1     0.0954274    30. 1     0.1066454
      31. 1    0.0628774    32. 1     0.1078909    33. 1     0.           34. 1     0.0934820    35. 1     0.
      36. 1    0.           37. 1     0.1197907    38. 1     0.           39. 1     0.           40. 1     0.
      41. 1    0.0805197    42. 1     0.0853071    43. 1     0.1151429    44. 1     0.1016918    45. 1     0.0578107
      46. 1    0.0608591    47. 1     0.1267627    48. 1     0.           49. 1     0.1091006    50. 1     0.0780173
      51. 1    0.           52. 1     0.1069802    53. 1     0.1026783    54. 1     0.           55. 1     0.1294168
      56. 1    0.0929769    57. 1     0.           58. 1     0.           59. 1     0.1318584    60. 1     0.
      61. 1    0.1278801    62. 1     0.           63. 1     0.0911640    64. 1     0.0474313    65. 1     0.1145976
      66. 1    0.0632122    67. 1     0.1204472    68. 1     0.0772716    69. 1     0.0986374    70. 1     0.
      71. 1    0.0951318    72. 1     0.0655438    0. 0      0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.64765422
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.07382712
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.78691357
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.93037035
   ** CONTROL=000000000007
        5 BIAS CHANGES

      LEVEL   2    MS =     0.            BIAS =     0.93037035

      COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
       1. 2    0.9039120     2. 2     0.7338371     0. 0     0.            0. 0     0.            0. 0     0.
SUM NO.   1 IS    0.30391
SUM NO.   2 IS    0.73383

*** 39    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000012      INDICT=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.48611103
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     3.11559561
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.80085333
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.14348218
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.81479661
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.65045384
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.56828246
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.60936815
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.58882530
   ** CONTROL=000000000007
```

```
        1. BIAS CHANGES

        LEVEL   1     MS =      0.09999999     BIAS =      0.59882530

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
        1. 1     0.1529413      2. 1     0.1075107      3. 1     0.1226534      4. 1     0.1006541      5. 1     0.
        6. 1     0.             7. 1     0.             8. 1     0.0740945      9. 1     0.1157776     10. 1     0.
       11. 1     0.0074968     12. 1     0.0098684     13. 1     0.1036733     14. 1     0.1170534     15. 1     0.0083993
       16. 1     0.1175498     17. 1     0.1083075     18. 1     0.1233760     19. 1     0.0766497     20. 1     0.1029107
       21. 1     0.            22. 1     0.            23. 1     0.1460760     24. 1     0.1428348     25. 1     0.0999772
       26. 1     0.1416936     27. 1     0.            28. 1     0.            29. 1     0.0909736     30. 1     0.1128277
       31. 1     0.1043330     32. 1     0.1296176     33. 1     0.            34. 1     0.1093663     35. 1     0.
       36. 1     0.            37. 1     0.0999693     38. 1     0.            39. 1     0.            40. 1     0.0500709
       41. 1     0.0783637     42. 1     0.1212610     43. 1     0.1059438     44. 1     0.1196697     45. 1     0.0985125
       46. 1     0.1016126     47. 1     0.1181608     48. 1     0.            49. 1     0.0984934     50. 1     0.0986299
       51. 1     0.            52. 1     0.1145613     53. 1     0.1008155     54. 1     0.            55. 1     0.1191020
       56. 1     0.0332563     57. 1     0.            58. 1     0.            59. 1     0.1148351     60. 1     0.
       61. 1     0.1662135     62. 1     0.            63. 1     0.0913780     64. 1     0.1021653     65. 1     0.0967903
       66. 1     0.1065196     67. 1     0.1209956     68. 1     0.1028973     69. 1     0.0966888     70. 1     0.
       71. 1    -0.1000429     72. 1     0.1300463      0. 0     0.             0. 0     0.             0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      4.12689632
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.31344916
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.40672498
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.95336205
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.19004306
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.06670256
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.01003231
   ** CONTROL=000000000007
        8 BIAS CHANGES

        LEVEL   2     MS =      0.             BIAS =      1.01003231

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
        1. 2     0.3814307      2. 2     0.6311887      0. 0     0.             0. 0     0.             0. 0     0.
SUM NO.   1 IS    0.38143
SUM NO.   2 IS    0.63119

*** 40    INPUT MS        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000011      INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06944443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.48611103
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     95.20499992
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     47.84555578
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     24.16583323
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     12.32597220
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      6.40604162
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      3.44607636
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.96609373
   ** CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      1.22610241
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.85610676
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.67110893
   ** CONTROL=000000000007
        13 BIAS CHANGES

        LEVEL   1     MS =      0.09999999     BIAS =      0.67110893

       COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT        COMP.     OUTPUT
        1. 1     0.0815577      2. 1     0.0800336      3. 1     0.1484325      4. 1     0.0817888      5. 1     0.
        6. 1     0.             7. 1     0.             8. 1     0.0719332      9. 1     0.1157766     10. 1     0.0313592
       11. 1     0.0769640     12. 1     0.0667052     13. 1     0.0649658     14. 1     0.0960459     15. 1     0.0635836
       16. 1     0.0989598     17. 1     0.0975386     18. 1     0.1166959     19. 1     0.0677105     20. 1     0.0858573
       21. 1     0.            22. 1     0.            23. 1     0.1198171     24. 1     0.1764887     25. 1     0.0827622
       26. 1     0.1195106     27. 1     0.0503358     28. 1     0.            29. 1     0.0745904     30. 1     0.0964649
       31. 1     0.0752160     32. 1     0.1185120     33. 1     0.            34. 1     0.0914311     35. 1     0.
       36. 1     0.            37. 1     0.0747855     38. 1     0.            39. 1     0.            40. 1     0.0793650
       41. 1     0.0707998     42. 1     0.0856964     43. 1     0.0944188     44. 1     0.0967904     45. 1     0.0779194
       46. 1     0.0791044     47. 1     0.0983472     48. 1     0.            49. 1     0.0860626     50. 1     0.0652685
       51. 1     0.            52. 1     0.0959621     53. 1     0.0836491     54. 1     0.            55. 1     0.0988821
       56. 1     0.0791848     57. 1     0.            58. 1     0.            59. 1     0.0949033     60. 1     0.
       61. 1     0.1733367     62. 1     0.            63. 1     0.0707546     64. 1     0.0798295     65. 1     0.0806618
       66. 1     0.0937869     67. 1     0.1197138     68. 1     0.0780584     69. 1     0.0853988     70. 1     0.
       71. 1     0.795032      72. 1     0.0780799      0. 0     0.             0. 0     0.             0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      2.34216729
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      1.42108366
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.96054184
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.73027094
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.84540638
   ** CONTROL=000000000007
```

```
        6 BIAS CHANGES

        LEVEL   2    MS =     0.          BIAS =     0.94540638

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2    0.4335796     2. 2    0.4507195     0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS  0.45350
SUM NO.   2 IS  0.45071

*** 41    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000009      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37116373
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.82713975
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.28311577
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.05512777
   **   CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.05512777

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1    0.           2. 1    0.3022167     3. 1    0.           4. 1    0.           5. 1    0.
        6. 1    0.           7. 1    0.            8. 1    0.3247639    9. 1    0.          10. 1    0.
       11. 1    0.          12. 1    0.           13. 1    0.          14. 1    0.0797902   15. 1    0.
       16. 1    0.          17. 1    0.           18. 1    0.          19. 1    0.          20. 1    0.
       21. 1    0.          22. 1    0.           23. 1    0.          24. 1    0.          25. 1    0.
       26. 1    0.7365068   27. 1    0.           28. 1    0.          29. 1    0.          30. 1    0.
       31. 1    0.          32. 1    0.           33. 1    0.          34. 1    0.6090080   35. 1    0.
       36. 1    0.          37. 1    0.           38. 1    0.          39. 1    0.4315278   40. 1    0.
       41. 1    0.          42. 1    0.           43. 1    0.          44. 1    0.0824004   45. 1    0.
       46. 1    0.          47. 1    0.           48. 1    0.          49. 1    0.          50. 1    0.5647863
       51. 1    0.          52. 1    0.           53. 1    0.          54. 1    0.          55. 1    0.0919141
       56. 1    0.          57. 1    0.           58. 1    0.          59. 1    0.          60. 1    0.
       61. 1    0.          62. 1    0.           63. 1    0.3562796   64. 1    0.3027229   65. 1    0.1895547
       66. 1    0.1277389   67. 1    0.6176877    68. 1    0.          69. 1    0.          70. 1    0.
       71. 1    0.          72. 1    0.            0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.10311320
   **   CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.          BIAS =     1.10311320

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2    0.            2. 2    1.0563758     0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS  0.
SUM NO.   2 IS  1.05638

*** 42    INPUT V5        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06290954
   **   CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.39971840
   **   CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.23131397
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.14711176
   **   CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.18921286
   **   CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =     0.18921286

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1    0.1443322     2. 1    0.0563693     3. 1    0.2313910    4. 1    0.           5. 1    0.2675001
        6. 1    0.1374778     7. 1    0.            8. 1    0.1858143    9. 1    0.          10. 1    0.
       11. 1    0.0303574    12. 1    0.0630006    13. 1    0.0564751   14. 1    0.0030148   15. 1    0.1547608
       16. 1    0.           17. 1    0.           18. 1    0.          19. 1    0.          20. 1    0.1273475
       21. 1    0.           22. 1    0.           23. 1    0.0812602   24. 1    0.1244631   25. 1    0.0457740
       26. 1    0.           27. 1    0.1677774    28. 1    0.          29. 1    0.          30. 1    0.1425561
       31. 1    0.           32. 1    0.           33. 1    0.0253040   34. 1    0.1778672   35. 1    0.2799746
       36. 1    0.3346882    37. 1    0.           38. 1    0.          39. 1    0.2301446   40. 1    0.
       41. 1    0.2360090    42. 1    0.           43. 1    0.0997403   44. 1    0.          45. 1    0.1026201
       46. 1    0.0798310    47. 1    0.0545063    48. 1    0.1525929   49. 1    0.1163315   50. 1    0.
       51. 1    0.           52. 1    0.           53. 1    0.0563268   54. 1    0.          55. 1    0.
       56. 1    0.1138881    57. 1    0.           58. 1    0.          59. 1    0.          60. 1    0.
       61. 1    0.0820378    62. 1    0.1231649    63. 1    0.          64. 1    0.          65. 1    0.
       66. 1    0.2578560    67. 1    0.           68. 1    0.0619344   69. 1    0.0951074   70. 1    0.
       71. 1    0.           72. 1    0.1430797     0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.19250005
   **   CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.38500014
   **   CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.28875010
   **   CONTROL=000000000007
        3 BIAS CHANGES

        LEVEL   2    MS =     0.          BIAS =     0.28875010

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2    0.9037530     2. 2    0.0291813     0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS  0.93375
SUM NO.   2 IS  0.2916

*** 43    INPUT V5        INDENTIFICATION CORRECT
```

```
MINPS=000000000001      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40557347
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.99099673
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.41241999
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.16070837
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03485256
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.09778047
    **  CONTROL=000000000007
          6 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.09778047

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.2966548    3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.3965121   13. 1     0.          14. 1     0.1911725   15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.0562106
        21. 1     0.2453050   22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.2414098
        26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
        31. 1     0.3201225   32. 1     0.          33. 1     0.1363032   34. 1     0.          35. 1     0.
        36. 1     0.4562773   37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.1637385   44. 1     0.1233014   45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.1946809   55. 1     0.8230040
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     0.          62. 1     0.6193077   63. 1     0.1481904   64. 1     0.1455866   65. 1     0.3949992
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.21406536
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.42813073
    **  CONTROL=000000000003
          2 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =     0.42813073

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NC.   1 IS    0.
SUM NC.   2 IS    1.00000

***  44    INPUT V6        INDENTIFICATION CORRECT
 INCORRECT RESPONSES THIS CYCLE =    5
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.33101156
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.58286154
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.83471152
    **  CONTROL=000000000003
          3 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.83471152

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     1.1339787
         6. 1     0.4219098    7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.0028163
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.3427086   28. 1     0.          29. 1     0.          30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.0210728   35. 1     1.1335950
        36. 1     0.8816660   37. 1     0.          38. 1     0.          39. 1     0.0292478   40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.3414042   49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.1479950   55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.3289412   67. 1     0.          68. 1     0.          69. 1     0.1865777   70. 1     0.
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -23.48346374
    **  CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =   -12.49173188
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -6.99586594
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -4.24793297
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.87396649
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.18698326
    **  CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.53047487
    **  CONTROL=000000000007
```

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        9 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =    -2.53047487

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.9260155     2. 2    0.            0. 0    0.            0. 0    0.            0. 0    0.
SUM NO.   1 IS   0.92662
SUM NO.   2 IS   0.

*** 45    INPUT V1        INDENTIFICATION CORRECT
NINPS=000000000013       NCYCS=000000000014       INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37691055
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03064163
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.60437271
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.35750717
    **  CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.35750717

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1    0.3289400     2. 1    0.            3. 1    0.            4. 1    0.            5. 1    0.
         6. 1    0.            7. 1    0.5733183     8. 1    0.            9. 1    0.           10. 1    0.
        11. 1    0.6636215    12. 1    0.           13. 1    0.           14. 1    0.           15. 1    0.
        16. 1    0.           17. 1    0.           18. 1    0.           19. 1    0.           20. 1    0.6358852
        21. 1    0.           22. 1    0.           23. 1    0.           24. 1    0.           25. 1    0.
        26. 1    0.           27. 1    0.           28. 1    0.           29. 1    0.           30. 1    0.5200662
        31. 1    0.3503788    32. 1    0.1758133    33. 1    0.           34. 1    0.           35. 1    0.
        36. 1    0.           37. 1    0.           38. 1    0.           39. 1    0.           40. 1    0.
        41. 1    0.           42. 1    0.           43. 1    0.6918232    44. 1    0.           45. 1    0.
        46. 1    0.           47. 1    0.           48. 1    0.           49. 1    0.2664019    50. 1    0.
        51. 1    0.           52. 1    0.           53. 1    0.           54. 1    0.5704770    55. 1    0.
        56. 1    0.           57. 1    0.           58. 1    0.           59. 1    0.           60. 1    0.
        61. 1    0.6643074    62. 1    0.           63. 1    0.           64. 1    0.           65. 1    0.
        66. 1    0.           67. 1    0.           68. 1    0.           69. 1    0.           70. 1    0.
        71. 1    0.           72. 1    0.            0. 0    0.            0. 0    0.            0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.27647203
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.55294409
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.55294409

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    0.            2. 2    1.0000000     0. 0    0.            0. 0    0.            0. 0    0.
SUM NO.   1 IS   0.
SUM NO.   2 IS   1.00000

*** 46    INPUT V1        INDENTIFICATION CORRECT
NINPS=000000000012       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.33476889
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.50842570
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.68208250
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.59525411
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.63866830
    **  CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.63866830

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1    0.            2. 1    0.0091808     3. 1    0.            4. 1    0.            5. 1    0.0384411
         6. 1    0.1453924     7. 1    0.            8. 1    0.            9. 1    0.           10. 1    0.1141642
        11. 1    0.           12. 1    0.           13. 1    0.1023560    14. 1    0.           15. 1    0.
        16. 1    0.           17. 1    0.           18. 1    0.           19. 1    0.2795106    20. 1    0.
        21. 1    0.           22. 1    0.2246769    23. 1    0.           24. 1    0.           25. 1    0.2142209
        26. 1    0.           27. 1    0.           28. 1    0.           29. 1    0.0736987    30. 1    0.
        31. 1    0.           32. 1    0.3275190    33. 1    0.2616175    34. 1    0.           35. 1    0.
        36. 1    0.3005495    37. 1    0.           38. 1    0.5956912    39. 1    0.           40. 1    0.
        41. 1    0.           42. 1    0.1936203    43. 1    0.           44. 1    0.           45. 1    0.
        46. 1    0.           47. 1    0.           48. 1    0.           49. 1    0.           50. 1    0.
        51. 1    0.           52. 1    0.           53. 1    0.           54. 1    0.2709343    55. 1    0.
        56. 1    0.           57. 1    0.2303140    58. 1    0.           59. 1    0.           60. 1    0.3925955
        61. 1    0.           62. 1    0.           63. 1    0.4139465    64. 1    0.2063297    65. 1    0.
        66. 1    0.           67. 1    0.           68. 1    0.2789577    69. 1    0.           70. 1    0.1836593
        71. 1    0.           72. 1    0.            0. 0    0.            0. 0    0.            0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39958540
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.52597469
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =    -0.52597469

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2    1.0656478     2. 2    0.            0. 0    0.            0. 0    0.            0. 0    0.
SUM NO.   1 IS   1.06565
SUM NO.   2 IS   0.

*** 47    INPUT V2        INDENTIFICATION CORRECT
NINPS=000000000011       NCYCS=000000000014       INDICT=000000000001
```

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.34718983
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.82347541
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.29976098
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.06161819
    ** CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.06161819

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.0957111    5. 1     0.
         6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.5707245   17. 1     0.          18. 1     0.          19. 1     0.2363355   20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.1500093   24. 1     0.7380357   25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.2100474   30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.6097430   42. 1     0.9152 55   43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.5006987   48. 1     0.4399100   49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.4417392   58. 1     0.          59. 1     0.          60. 1     0.1401862
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     0.          72. 1     0.2109628    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49931753
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.65585355
    ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =    -0.65585355

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.           2. 2     1.0818135    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.08181

*** 48    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.35584211
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.60406940
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.85229668
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.10052396
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97641033
    ** CONTROL=000000000007
        5 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.97641033

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
         6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.6348790
        11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
        21. 1     0.0707215   22. 1     0.9495694   23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.          28. 1     0.6126864   29. 1     0.          30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
        36. 1     0.          37. 1     0.          38. 1     0.6281001   39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.3536240   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
        56. 1     0.          57. 1     0.8524164   58. 1     0.0439960   59. 1     0.          60. 1     0.2857462
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.2990680
        71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.77747974
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.42053179
    ** CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =    -1.42053179

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     1.0608533    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.06085
SUM NO.   2 IS    0.
*** 49    INPUT H3        INDENTIFICATION CORRECT
MINPS=000000000007      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.45231110
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.92612220
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.39993331
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.16302776
    ** CONTROL=000000000007
```

```
 4 BIAS CHANGES
LEVEL   1    MS =     0.09999999    BIAS =    -1.16902774

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1     0.          2. 1     0.          3. 1     0.1717433   4. 1     0.6012616   5. 1     0.0151918
  6. 1     0.0539624   7. 1     0.          8. 1     0.          9. 1     0.         10. 1     0.8595367
 11. 1     0.          12. 1    0.         13. 1     0.         14. 1     0.         15. 1     0.
 16. 1     0.          17. 1    0.         18. 1     0.5321953  19. 1     0.         20. 1     0.
 21. 1     0.          22. 1    0.         23. 1     0.0464935  24. 1     0.         25. 1     0.
 26. 1     0.          27. 1    0.         28. 1     0.3490347  29. 1     0.3432620  30. 1     0.
 31. 1     0.          32. 1    0.         33. 1     0.         34. 1     0.         35. 1     0.
 36. 1     0.          37. 1    0.         38. 1     0.         39. 1     0.         40. 1     0.7652793
 41. 1     0.          42. 1    0.         43. 1     0.         44. 1     0.         45. 1     0.
 46. 1     0.2216396   47. 1    0.         48. 1     0.         49. 1     0.         50. 1     0.
 51. 1     0.          52. 1    0.         53. 1     0.0510785  54. 1     0.         55. 1     0.
 56. 1     0.          57. 1    0.         58. 1     0.         59. 1     0.         60. 1     0.6123052
 61. 1     0.          62. 1    0.         63. 1     0.         64. 1     0.         65. 1     0.
 66. 1     0.          67. 1    0.         68. 1     0.         69. 1     0.         70. 1     0.
 71. 1     0.          72. 1    0.          0. 0     0.          0. 0     0.          0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.18124978
   ** CONTROL=000000000001
     1 BIAS CHANGES
LEVEL   2    MS =     0.          BIAS =     0.18124978

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 2     0.2180495   2. 2     0.7819505   0. 0     0.          0. 0     0.          0. 0     0.
SUM NO.   1 IS    0.21805
SUM NO.   2 IS    0.78195

*** 50    INPUT V3        INDENTIFICATION CORRECT
NINPS=000000000006      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.02350001
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.06873353
   ** CONTROL=000000000003
     2 BIAS CHANGES
LEVEL   1    MS =     0.09999999    BIAS =    -0.06873353

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1     0.          2. 1     0.          3. 1     0.          4. 1     0.          5. 1     0.
  6. 1     0.          7. 1     0.1340323   8. 1     0.0735700   9. 1     0.5704673  10. 1     0.3771263
 11. 1     0.          12. 1    0.         13. 1     0.         14. 1     0.1475611  15. 1     0.
 16. 1     0.2048616   17. 1    0.         18. 1     0.         19. 1     0.         20. 1     0.
 21. 1     0.          22. 1    0.0356365  23. 1     0.         24. 1     0.         25. 1     0.
 26. 1     0.3148762   27. 1    0.0720102  28. 1     0.3284841  29. 1     0.         30. 1     0.
 31. 1     0.3968104   32. 1    0.         33. 1     0.         34. 1     0.         35. 1     0.
 36. 1     0.          37. 1    0.5932504  38. 1     0.         39. 1     0.         40. 1     0.0129959
 41. 1     0.          42. 1    0.         43. 1     0.         44. 1     0.2292220  45. 1     0.
 46. 1     0.          47. 1    0.1650351  48. 1     0.         49. 1     0.         50. 1     0.
 51. 1     0.4071929   52. 1    0.         53. 1     0.         54. 1     0.         55. 1     0.
 56. 1     0.          57. 1    0.0596009  58. 1     0.2453611  59. 1     0.         60. 1     0.
 61. 1     0.2544255   62. 1    0.         63. 1     0.         64. 1     0.         65. 1     0.2096480
 66. 1     0.          67. 1    0.2428110  68. 1     0.         69. 1     0.         70. 1     0.
 71. 1     0.          72. 1    0.          0. 0     0.          0. 0     0.          0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.27179199
   ** CONTROL=000000000001
     1 BIAS CHANGES
LEVEL   2    MS =     0.          BIAS =     0.27179199

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 2     0.7282080   2. 2     0.2326445   0. 0     0.          0. 0     0.          0. 0     0.
SUM NO.   1 IS    0.72821
SUM NO.   2 IS    0.23264

*** 51    INPUT H4        INDENTIFICATION CORRECT
NINPS=000000000005      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.39900178
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.94453731
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49007285
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.21730508
   ** CONTROL=000000000007
     4 BIAS CHANGES
LEVEL   1    MS =     0.09999999    BIAS =    -1.21730508

COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT      COMP.    OUTPUT
  1. 1     0.          2. 1     0.          3. 1     0.7462914   4. 1     0.          5. 1     0.
  6. 1     0.          7. 1     0.          8. 1     0.          9. 1     0.         10. 1     0.
 11. 1     0.          12. 1    0.         13. 1     0.         14. 1     0.         15. 1     0.5264470
 16. 1     0.          17. 1    0.         18. 1     0.         19. 1     0.         20. 1     0.
 21. 1     0.          22. 1    0.0238149  23. 1     0.         24. 1     0.         25. 1     0.
 26. 1     0.          27. 1    0.         28. 1     0.         29. 1     0.         30. 1     0.
 31. 1     0.          32. 1    0.         33. 1     0.         34. 1     0.0188490  35. 1     0.
 36. 1     0.          37. 1    0.         38. 1     0.3251139  39. 1     0.         40. 1     0.
 41. 1     0.          42. 1    0.         43. 1     0.         44. 1     0.         45. 1     0.7489368
 46. 1     0.4188671   47. 1    0.         48. 1     0.         49. 1     0.         50. 1     0.2603838
 51. 1     0.5824030   52. 1    0.3207731  53. 1     0.         54. 1     0.         55. 1     0.
 56. 1     0.          57. 1    0.         58. 1     0.         59. 1     0.         60. 1     0.
 61. 1     0.          62. 1    0.         63. 1     0.         64. 1     0.         65. 1     0.
 66. 1     0.          67. 1    0.7346773  68. 1     0.         69. 1     0.4707917  70. 1     0.
 71. 1     0.          72. 1    0.          0. 0     0.          0. 0     0.          0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.31570178
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.63140358
   ** CONTROL=000000000003
```

```
        2 BIAS CHANGES

      LEVEL   2    MS =     0.            BIAS =     0.62140950

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 52    INPUT M4        IDENTIFICATION CORRECT
MINPS=000000000004      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.48611103
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.80365415
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.64488259
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.56549682
    **  CONTROL=000000000007
        6 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =     0.56549682

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 1     0.1310861    2. 1     0.1456934    3. 1     0.2078470    4. 1     0.1879781    5. 1     0.
      6. 1     0.           7. 1     0.           8. 1     0.1575136    9. 1     0.2770983   10. 1     0.0486292
     11. 1     0.0677993   12. 1     0.0199564   13. 1     0.           14. 1     0.1419367   15. 1     0.1042463
     16. 1     0.1594647   17. 1     0.0982392   18. 1     0.1819046   19. 1     0.           20. 1     0.0040827
     21. 1     0.          22. 1     0.          23. 1     0.1549826   24. 1     0.2210912   25. 1     0.0141955
     26. 1     0.1919220   27. 1     0.          28. 1     0.          29. 1     0.1116045   30. 1     0.1581996
     31. 1     0.2379020   32. 1     0.          33. 1     0.          34. 1     0.1444365   35. 1     0.
     36. 1     0.          37. 1     0.0037899   38. 1     0.          39. 1     0.0055404   40. 1     0.1009908
     41. 1     0.2115912   42. 1     0.          43. 1     0.1553275   44. 1     0.0369324   45. 1     0.1127206
     46. 1     0.0721579   47. 1     0.0948233   48. 1     0.          49. 1     0.1883752   50. 1     0.
     51. 1     0.          52. 1     0.1129195   53. 1     0.0911988   54. 1     0.          55. 1     0.
     56. 1     0.0636710   57. 1     0.          58. 1     0.          59. 1     0.0740045   60. 1     0.
     61. 1     0.2094879   62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
     66. 1     0.          67. 1     0.3275497   68. 1     0.          69. 1     0.          70. 1     0.
     71. 1     0.046C508   72. 1     0.0582865    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.24445325
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.48890652
    **  CONTROL=000000000003
        2 BIAS CHANGES

      LEVEL   2    MS =     0.            BIAS =     0.48890652

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 2     0.           2. 2     1.0000000    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.00000

*** 53    INPUT M5        IDENTIFICATION  INCORRECT.
MINPS=000000000004      NCYCS=000000000013      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.48611103
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    13.27718914
    **  CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     6.88165009
    **  CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     3.68388057
    **  CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     2.08499581
    **  CONTROL=000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.28555343
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.88583424
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.68597165
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.58604136
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.63600650
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.66098908
    **  CONTROL=000000000007
```

```
13 BIAS CHANGES

LEVEL   1    MS =     0.09999999    BIAS =     0.66099908

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
 1. 1     0.0799949    2. 1     0.0946514    3. 1     0.1712995    4. 1     0.0937242    5. 1     0.
 6. 1     0.           7. 1     0.           8. 1     0.1006095    9. 1     0.2320832   10. 1     0.0990446
11. 1     0.0922632   12. 1     0.0965316   13. 1     0.0936501   14. 1     0.0006092   15. 1     0.0766350
16. 1     0.1008306   17. 1     0.0924000   18. 1     0.1263331   19. 1     0.          20. 1     0.0022482
21. 1     0.          22. 1     0.          23. 1     0.1464963   24. 1     0.1601505   25. 1     0.0942974
26. 1     0.1622230   27. 1     0.0671205   28. 1     0.          29. 1     0.1079960   30. 1     0.1079190
31. 1     0.0983076   32. 1     0.0427973   33. 1     0.          34. 1     0.1147172   35. 1     0.
36. 1     0.          37. 1     0.1053722   38. 1     0.          39. 1     0.0916332   40. 1     0.0073652
41. 1     0.0476510   42. 1     0.0669516   43. 1     0.0991724   44. 1     0.1032369   45. 1     0.1160056
46. 1     0.1203925   47. 1     0.1050060   48. 1     0.          49. 1     0.1124447   50. 1     0.0094057
51. 1     0.          52. 1     0.1114370   53. 1     0.0966795   54. 1     0.          55. 1     0.0779944
56. 1     0.1054914   57. 1     0.          58. 1     0.          59. 1     0.1016453   60. 1     0.
61. 1     0.1023270   62. 1     0.0789530   63. 1     0.0061447   64. 1     0.0503069   65. 1     0.1091327
66. 1     0.0613413   67. 1     0.1090423   68. 1     0.0230006   69. 1     0.0612029   70. 1     0.
71. 1     0.0973704   72. 1     0.0040387    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     3.76499692
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     2.13249047
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.31624925
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.90812464
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.11210694
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.01015500
   ** CONTROL=000000000007
     7 BIAS CHANGES

LEVEL   2    MS =     0.           BIAS =     1.01015500

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
 1. 2     0.2602364    2. 2     0.6429500    0. 0     0.           3. 0     0.           0. 0     0.
SUM NO.   1 IS    0.26024
SUM NO.   2 IS    0.64296

*** 54    INPUT MS        IDENTIFICATION  INCORRECT.
MIMPS=000000000004      NCYCS=000000000012      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.20833330
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.40611103
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.04166649
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.76388876
   ** CONTROL=000000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.62499990
   ** CONTROL=000000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.69444433
   ** CONTROL=000000000005
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.72916654
   ** CONTROL=000000000005
     8 BIAS CHANGES

LEVEL   1    MS =     0.09999999    BIAS =     0.72916654

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
 1. 1     0.0623294    2. 1     0.0836773    3. 1     0.2102059    4. 1     0.0707667    5. 1     0.
 6. 1     0.           7. 1     0.0344180    8. 1     0.0610287    9. 1     0.1900882   10. 1     0.0802390
11. 1     0.0688500   12. 1     0.0548634   13. 1     0.0446711   14. 1     0.0698167   15. 1     0.0694608
16. 1     0.0894000   17. 1     0.0911036   18. 1     0.1035904   19. 1     0.          20. 1     0.0663472
21. 1     0.0292628   22. 1     0.          23. 1     0.1032480   24. 1     0.2223742   25. 1     0.0626144
26. 1     0.1401013   27. 1     0.0915201   28. 1     0.          29. 1     0.0737564   30. 1     0.0833589
31. 1     0.0653853   32. 1     0.0774935   33. 1     0.          34. 1     0.0747599   35. 1     0.
36. 1     0.          37. 1     0.1272916   38. 1     0.          39. 1     0.0915318   40. 1     0.0594263
41. 1     0.0581221   42. 1     0.0714606   43. 1     0.0728348   44. 1     0.0769038   45. 1     0.0817457
46. 1     0.0833744   47. 1     0.0953642   48. 1     0.          49. 1     0.0885236   50. 1     0.0680693
51. 1     0.          52. 1     0.1047656   53. 1     0.0654399   54. 1     0.          55. 1     0.0898558
56. 1     0.0758880   57. 1     0.          58. 1     0.0098124   59. 1     0.0882408   60. 1     0.
61. 1     0.2043705   62. 1     0.0715018   63. 1     0.0657240   64. 1     0.0666630   65. 1     0.0662370
66. 1     0.0795782   67. 1     0.1207817   68. 1     0.0610988   69. 1     0.0882338   70. 1     0.
71. 1     0.0693823   72. 1     0.0706659    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.50000000
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     2.29622856
   ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     1.39811428
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.94905715
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.72452858
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.83679286
   ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.89292499
   ** CONTROL=000000000007
```

```
          7 BIAS CHANGES

        LEVEL   2    MS =     0.                BIAS =     0.00292499

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     3.5032393     2. 2     0.5303601     0. 0     0.            0. 0     0.            0. 0     0.
SUM NC.   1 IS    0.00924
SUM NC.   2 IS    0.00936

*** 55    INPUT MS          IDENTIFICATION CORRECT
MINPS=0000000000003       NCYCS=0000000000014       INDICT=00000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.30990572
    ** CONTROL=0000000000031
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.07514040
    ** CONTROL=0000000000023
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.36037990
    ** CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.11776124
    ** CONTROL=0000000000007
          4 BIAS CHANGES

        LEVEL   1    MS =     0.00999999    BIAS =     -1.11776124

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.3429050     3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.3766007     9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.0730920    27. 1     0.           28. 1     0.           29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.7061609    35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.6244872    40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.2110931    45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.7660060
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.0044389
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.           62. 1     0.           63. 1     0.3064416    64. 1     0.3390619    65. 1     0.1494600
        66. 1     0.0913958    67. 1     0.0907103    68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
          6 BIAS CHANGES

        LEVEL   2    MS =     0.                BIAS =     0.

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.            2. 2     1.0000000     0. 0     0.            0. 0     0.            0. 0     0.
SUM NC.   1 IS    0.
SUM NC.   2 IS    1.00000

*** 56    INPUT MS          IDENTIFICATION CORRECT
MINPS=0000000000002       NCYCS=0000000000014       INDICT=00000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.02350222
    ** CONTROL=0000000000031
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.00269261
    ** CONTROL=0000000000003
          2 BIAS CHANGES

        LEVEL   1    MS =     0.00999999    BIAS =     0.00269261

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.1813091     2. 1     0.            3. 1     0.2738267     4. 1     0.            5. 1     0.3606366
         6. 1     0.2253979     7. 1     0.            8. 1     0.1306793     9. 1     0.           10. 1     0.
        11. 1     0.           12. 1     0.1566310    13. 1     0.           14. 1     0.           15. 1     0.2210120
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.1173124
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.0518302    25. 1     0.
        26. 1     0.           27. 1     0.2491779    28. 1     0.           29. 1     0.           30. 1     0.2009720
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.2053706    35. 1     0.4723300
        36. 1     0.3054627    37. 1     0.           38. 1     0.           39. 1     0.4095449    40. 1     0.
        41. 1     0.0361296    42. 1     0.           43. 1     0.0106773    44. 1     0.           45. 1     0.0907870
        46. 1     0.           47. 1     0.           48. 1     0.2744489    49. 1     0.0903176    50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.0718026    57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.
        61. 1     0.0066708    62. 1     0.0641692    63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.5405420    67. 1     0.           68. 1     0.           69. 1     0.0430285    70. 1     0.
        71. 1     0.           72. 1     0.1804546     0. 0     0.            0. 0     0.            0. 0     0.
          0 BIAS CHANGES

        LEVEL   2    MS =     0.                BIAS =     0.

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0883054     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NC.   1 IS    1.08831
SUM NC.   2 IS    0.

*** 57    INPUT MS          IDENTIFICATION CORRECT
MINPS=0000000000001       NCYCS=0000000000014       INDICT=00000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.43199375
    ** CONTROL=0000000000031
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.00549336
    ** CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.57890296
    ** CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.29224317
    ** CONTROL=0000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.14886828
    ** CONTROL=0000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.22055572
    ** CONTROL=0000000000007
```

```
        6 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.22C55572

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.3918812    3. 1     C.           4. 1     0.           5. 1     0.
         6. 1     C.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     0.5173129   13. 1     0.          14. 1     0.2026376   15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     C.          19. 1     0.          20. 1     0.
        21. 1     0.2225953   22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.1609341
        26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
        31. 1     0.2919622   32. 1     0.          33. 1     0.2099603   34. 1     0.          35. 1     0.
        36. 1     0.2927122   37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     C.          43. 1     0.1118726   44. 1     0.1138160   45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     C.          53. 1     0.          54. 1     0.1914793   55. 1     0.8033427
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     0.          62. 1     0.6702704   63. 1     0.0892414   64. 1     0.1221110   65. 1     0.4276710
        66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
        71. 1     C.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.08982006
    **  CONTROL=000C00000001
        1 BIAS CHANGES

        LEVEL   2    MS =     0.             BIAS =    -0.08982006

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     C.           2. 2     1.0898201    0. 0     0.           0. 0     0.           0. 0     0.
SUM NC.   1 IS    0.
SUM NC.   2 IS    1.08982

***  58    INPUT V6        INDENTIFICATION CORRECT

 INCORRECT RESPONSES THIS CYCLE =    2
MINPS=0000000CC014       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37727386
    **  CONTROL=000C000CC001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.67258547
    **  CONTROL=000C00000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.96789709
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.2632C870
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.11555290
    **  CONTROL=C00000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.04172501
    **  CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     C.09999999    BIAS =    -1.04172501

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.9331935
         6. 1     C.4650925    7. 1     0.           8. 1     C.           9. 1     0.          10. 1     0.
        11. 1     0.          12. 1     C.          13. 1     0.          14. 1     0.          15. 1     0.
        16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
        21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
        26. 1     0.          27. 1     0.4780203   28. 1     0.          29. 1     0.          30. 1     0.
        31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.9049239
        36. 1     0.8700326   37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
        41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.
        46. 1     0.          47. 1     0.          48. 1     0.4941153   49. 1     0.          50. 1     0.
        51. 1     0.          52. 1     0.          53. 1     C.          54. 1     0.0908103   55. 1     0.
        56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
        61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
        66. 1     0.5464916   67. 1     0.          68. 1     0.          69. 1     0.1156529   70. 1     0.
        71. 1     C.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.49999999
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49999996
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -3.49999988
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.49999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.99999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.74999991
    **  CONTROL=000000000005
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.62499994
    **  CONTROL=000000000005
        7 BIAS CHANGES

        LEVEL   2    MS =     0.             BIAS =    -2.62499994

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
         1. 2     0.9975581    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NC.   1 IS    C.39756
SUM NC.   2 IS    0.

***  59    INPUT H1        INDENTIFICATION CORRECT
MINPS=000000000013       NCYCS=000000000014       INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.38437611
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.11940943
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.85444275
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.48692609
    **  CONTROL=000000000007
```

4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.48692609

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3201042	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5725320	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5699676	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5093247
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5291269
31. 1	0.2267141	32. 1	0.2433319	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5778821	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2453946	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4914986	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5469830	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.30030240
** CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.60060483
** CONTROL=0000000003
2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.60060483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 60 INPUT V1 INDENTIFICATION CORRECT

NEW G-WEIGHTS FROM RESULT OF INPUT 60

COMPONENT 1. 1 G-WEIGHTS

0.50483704	0.57144165	0.50755310	0.49267578	0.48643494
0.44351196	0.50842285	0.48423767	-0.08865356	-0.62815857
-0.63121033	-0.68261719	-0.57592773	-0.62919617	-0.26502336
-0.49812317	0.67668152	0.68693542	0.39474487	0.07568665
0.68693542	0.57379150	0.10511780	0.	-0.46890750
-0.45782471	-0.75628662	-0.57339478	-0.26501465	-0.26501465
-0.45782471	-0.75628662	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.67207336	0.39421082	0.48683167	0.51678467	0.41053772
0.40786743	0.44023132	0.67083740	-0.63281250	-0.32751465
-0.63948059	-0.57702637	-0.42082214	-0.37765503	-0.56199646
-0.46191406	0.	0.64828491	0.92308044	0.92308044
0.42254639	0.22807312	0.29002380	0.56483459	-0.56008911
-0.61770630	-0.33425903	-0.33425903	-0.41711426	-0.98497009
-0.33425903	-0.41711426	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.53686523	0.48968506	0.36802673	0.52731323	0.38439941
0.53533936	0.67817688	0.47946167	-0.07888794	-0.57206726
-0.47030640	-0.52290344	-0.58015442	-0.74917603	-0.49598694
-0.52958679	0.	1.00000000	0.86236572	0.29690552
0.57395935	0.86236572	0.06365967	0.34069824	-0.36145020
-0.78222656	-0.36145020	-0.48908997	-0.20851135	-0.36145020
-0.48909997	-0.94648743	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.53968811	0.45059204	0.47242737	0.51188660	0.47627258
0.51007080	0.50892639	0.52925110	-0.60971069	-0.17846680
-0.53631592	-0.43466187	-0.66853333	-0.45834351	-0.57180786
-0.54162598	0.63815308	0.66653442	0.66964722	0.31190491
0.28041077	0.45854187	0.48692322	0.48692322	-0.14962769
-0.46488953	-0.43650818	-0.79116821	-0.82267761	-0.43650818
-0.43338013	-0.46488953	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.46754456	0.42402649	0.43620300	0.45481873	0.85624695
0.42536926	0.49288940	0.44287109	-0.47863770	-0.57264709
-0.49438477	-0.48057556	-0.59352112	-0.58903503	-0.49516296
-0.29553740	0.76681519	0.78292847	0.	0.
0.83361816	0.78292847	0.83361816	0.	-0.36151123
-0.55136108	0.	-0.72470093	-0.36151123	-0.55136108
-0.72470093	-0.72470093	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.51640320	0.43006897	0.36946106	0.60671997	0.99302673
0.46286011	0.33988953	0.28140259	-0.57943726	-0.75294495
-0.52404785	-0.19007974	-0.58981323	-0.48806763	-0.60330200
-0.27189636	0.	0.87925720	0.94474792	0.
0.87925720	0.94474792	0.35194397	0.	0.
-0.48947144	-0.63511658	0.	-0.48947144	-0.63511658
-0.84039307	-0.91041565	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.91860962	0.77220154	0.54855347	0.33618164	0.33352661
0.41111759	0.34342957	0.33563232	-0.61396790	0.
-0.60947854	-0.61196899	-0.58700562	-0.61406816	-0.34858704
-0.61963220	0.58830261	0.56987000	0.83267212	0.56987000
0.83267212	0.60656738	0.	0.	-0.28899991
-0.39636230	-0.56211853	-0.58276367	-0.60540771	-0.39636230
-0.56211853	-0.60540771	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.45726613	0.44526672	0.51293945	0.46833801	0.45674133
0.61259839	0.56137085	0.47827148	-0.48025513	-0.48456205
-0.52845766	-0.50550842	-0.48957397	-0.52059937	-0.52593994
-0.48484002	0.83226013	0.62641907	0.23173523	0.59996507
0.83226013	0.23173523	0.18358220	0.46182251	-0.35975647
-0.56762695	-0.47608948	-0.35975647	-0.56762695	-0.88162231
-0.31046791	-0.47608948	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.39926311	0.54408264	0.47430420	0.49513245	0.55795288
0.47792053	0.48155212	0.56944275	-0.53643799	-0.40498352
-0.46121216	-0.47300720	-0.53544617	-0.51303101	-0.55783081
-0.51771545	0.95635986	0.08551025	0.26670837	0.95635986
0.26670837	0.57344055	0.26289368	0.63185120	-0.02050342
-0.91447449	-0.42677307	-0.50219727	-0.84768677	-0.42677307
-0.42677307	-0.42677307	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.46464539	0.17906189	0.69317627	0.21865845	0.94955444
0.98184204	0.29225159	0.22052002	-0.61257935	-0.74136353
-0.68205261	-0.66429138	-0.09858704	-0.53483582	-0.80251770
-0.66357422	0.88879395	0.94326782	0.08177185	0.01067080
0.16197205	0.88879395	0.94326782	0.08177185	-0.60540771
-0.62797546	-0.60540771	-0.43673706	-0.01202393	-0.67015076
-0.60540771	-0.43673706	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.38462830	0.39668274	0.38548279	0.38722229	0.39949036
0.35903931	1.00000000	0.68740845	-0.55590820	-0.59504700
-0.56530762	-0.56347656	-0.56495667	-0.56385803	0.
-0.59136963	0.65277100	0.65542603	0.58805847	0.65277100
0.65277100	0.43273926	0.36534119	0.	-0.38580322
-0.63642883	-0.72047424	-0.46658325	-0.38580322	-0.38252256
-0.63642883	-0.38580322	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.43487549	0.48585510	0.41624451	0.55310059	0.76104736
0.46171570	0.45422363	0.49251038	-0.24417114	-0.44326782
-0.57095337	-0.59797668	-0.61045837	-0.45164490	-0.58555603
-0.49540710	0.14692688	0.	0.82389832	0.35949707
0.56929016	0.82389832	0.70712280	0.56929016	-0.30029297
-0.42028809	-0.77742004	-0.56192017	-0.30029297	-0.56192017
-0.77742004	-0.30029297	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.46875000	0.44424438	0.43954468	0.59014893	0.54275513
0.34472351	0.41838074	0.55134583	-0.56205750	-0.48167419
-0.41865540	-0.53829956	-0.44338989	-0.46162415	-0.60221863
-0.49203491	0.19607544	0.97573853	0.39204407	0.19607544
0.67604065	0.97573853	0.39204407	0.19607544	-0.31900024
-0.78300476	-0.97294617	-0.50895691	-0.31900024	-0.78300476
-0.15695190	-0.15695190	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.48699951	0.43634033	0.54223633	0.51387024	0.56660461
0.43957520	0.51777649	0.49574280	-0.50315857	-0.54119873
-0.57246399	-0.39833069	-0.58122253	-0.42254639	-0.39744568
-0.58266204	0.12078857	0.	0.76968384	0.98925781
0.17158508	0.73344421	0.90661621	0.30853271	-0.83218384
-0.57334900	-0.27537537	-0.27537537	-0.91899109	-0.57334900
-0.27537537	-0.27537537	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.39212036	0.38359070	0.56152344	0.66079712	0.41528320
0.39044189	0.81643677	0.37937927	-0.31919861	-0.51487732
-0.52310181	-0.54568481	-0.51843262	-0.55249023	-0.54878235
-0.47683716	0.	0.38003540	0.58537292	1.00000000
0.75646973	0.65470886	0.38003540	0.24293044	-0.46963501
-0.41731262	-0.69960022	-0.49198914	-0.31239319	-0.41731262
-0.69960022	-0.49198914	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.64082336	0.50077920	0.45042419	0.47377014	0.39837646
0.49636841	0.52249146	0.51676941	-0.47370911	-0.50349426
-0.36326599	-0.46078491	-0.56880188	-0.48497009	-0.57832336
-0.56672476	0.67178345	0.64613342	0.12246704	0.29548645
0.67178345	0.64613342	0.51399231	0.43176744	-0.42379761
-0.77436829	-0.42379761	-0.39814758	-0.42379761	-0.77436829
-0.35728455	-0.42379761	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.55888367	0.47647095	0.45378113	0.55017090	0.54976221
0.44969177	0.45036316	0.51594543	-0.51892090	-0.40984998
-0.43450928	-0.49375916	-0.55102539	-0.57197571	-0.44409981
-0.47924805	0.24006653	0.87944031	0.24006653	0.85462083
0.72878674	0.72828674	0.24006653	0.08091296	-0.31600952
-0.34216309	-0.47564697	-0.31600952	-0.95899963	-0.31600952
-0.95899963	-0.31600952	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.46131897	0.46083069	0.51118469	0.44940186	0.63025989
0.47232056	0.51873779	0.48748779	-0.53672791	-0.53590822
-0.43367004	-0.19943237	-0.58381653	-0.53671265	-0.61668818
-0.55638123	0.89765930	0.60188293	0.92292786	0.62719623
0.14667078	0.44525146	0.32546997	0.03883362	-0.74464417
-0.36953735	-0.37965393	-0.23155212	-0.57189941	-0.95330440
-0.36953735	-0.37965393	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.47384644	0.56336975	0.43365479	0.44656372	0.63407898
0.41178894	0.48876953	0.54774475	-0.56710815	-0.49499512
-0.52461243	-0.49162292	-0.47167969	-0.43504333	-0.48426819
-0.52978516	0.09793091	0.97596741	0.97596741	0.30182539
0.57574463	0.77288818	0.20237732	0.09793091	-0.55730831
-0.45297241	-0.15721130	-0.72761536	-0.55738831	-0.15721130
-0.83203125	-0.55738831	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.54301453	0.46047974	0.45695496	0.49714661	0.53294373
0.55061140	0.51663208	0.44213867	-0.50138855	-0.56564167
-0.23518372	-0.49447632	-0.46592712	-0.61633301	-0.55323792
-0.56689453	0.73501587	0.72792053	0.72792053	0.22962952
0.64741516	0.61589050	0.14202881	0.17355347	-0.37409973
-0.39854431	-0.87237549	-0.37409973	-0.37409973	-0.39854431
-0.84083557	-0.36701965	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.41787720	0.54158020	0.41171265	0.61181641	0.63171387
0.50920105	0.46701050	0.40830994	-0.53579712	-0.53715515
-0.48100281	-0.53721619	-0.52592468	-0.39571289	-0.40553467
-0.54075623	0.76554871	0.71234131	0.39761353	0.39476013
0.40766907	0.36917114	0.50257874	0.44937134	-0.59647156
-0.58932495	-0.60688782	-0.55081177	-0.21852112	-0.27174377
-0.58647156	-0.58932495	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.39201355	0.45727539	0.38827515	0.38827515	1.00000000
0.49819369	0.39047241	0.48544312	-0.48481750	-0.50068848
-0.56677246	0.	-0.60044861	-0.60527039	-0.55667114
-0.60527039	0.00534058	0.83779907	0.83779907	0.81967163
0.00534058	0.	0.78207397	0.71189880	-0.63531494
-0.71780396	-0.71780396	-0.56791687	-0.00798035	0.
-0.63531494	-0.71780396	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.47650146	0.49629211	0.51007080	0.53532410	0.48123169
0.51135090	0.48405457	0.50448608	-0.52517700	-0.42771912
-0.51864624	-0.42523193	-0.54838562	-0.48410034	-0.51280212
-0.55752563	0.47709656	0.47709656	0.71295166	0.50309446
0.27993774	0.51197815	0.54307556	0.41381836	-0.65069508
-0.35534668	-0.45350647	-0.45350647	-0.45350647	-0.45350647
-0.45350647	-0.72622681	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.51802063	0.56930542	0.53242493	0.28562927	0.60528564
0.52497864	0.56825256	0.39604187	-0.35659790	-0.55093304
-0.34893118	-0.53828430	-0.55360413	-0.47056580	-0.44821167
-0.73243713	0.06595176	0.90107727	0.27259827	0.32737732
0.93215942	0.90107727	0.27259827	0.32737732	-0.37222290
-0.30929565	-0.42236328	-0.91160583	-0.88050642	-0.37222290
-0.30929565	-0.42236328	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.64677429	0.47720337	0.48194885	0.46879578	0.48204041
0.46254485	0.49642944	0.48393250	-0.55247498	-0.47415161
-0.56665039	-0.44020001	-0.38471985	-0.44200134	-0.55625916
-0.5[illegible]20618	0.76252747	0.43486023	0.31803894	0.32911682
0.76252747	0.31803894	0.53727722	0.53727722	-0.55120856
-0.56228638	-0.22360229	-0.66801453	-0.65693665	-0.22360229
-0.53120850	-0.56228638	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.52191162	0.48481750	0.48530579	0.46853638	0.60073853
0.46453857	0.48741150	0.48645020	-0.50199890	-0.52844238
-0.46270752	-0.54891287	-0.52578735	-0.50849915	-0.40023804
-0.52308655	0.39447021	0.55982971	0.82412720	0.51980591
0.36885648	0.53424072	0.79853821	0.	-0.49104309
-0.49104309	-0.18447876	-0.53756714	-0.93696594	-0.68322754
-0.49104309	-0.18447876	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.39947830	0.41546631	0.42356873	0.41697693	0.52551270
1.00000000	0.41104126	0.41383362	-0.54412842	-0.54624939
-0.51864136	-0.51763916	-0.54911804	-0.51866150	-0.25170898
-0.55841064	0.18975830	0.92391968	0.93374634	0.12521362
0.	0.92391968	0.	0.90336609	-0.70213318
-0.61038208	0.	-0.70213318	-0.61038208	-0.70213318
0.	-0.67279053	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.45905859	0.32350159	0.41304888	0.39076233	1.00000000
0.60906982	0.41304888	0.41304888	-0.56300354	-0.49029541
-0.57974243	-0.32014465	-0.59725952	-0.57974243	-0.48005237
-0.30987463	0.99671936	0.12567139	0.12440120	0.87156677
0.99671936	0.12567139	0.	0.75910950	-0.48997498
-0.07388306	-0.55699158	-0.58049011	-0.55699158	-0.58049011
-0.58049011	-0.58049011	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.81759644	0.41618347	0.43887329	0.41906084	0.56344604
0.66994230	0.47454834	0.40207781	-0.48040588	-0.45408630
-0.61618042	-0.58799744	-0.53402710	-0.53045654	-0.57316589
-0.30302429	0.27593994	0.02764893	0.65435791	0.89561462
0.26623535	0.42060852	0.65672302	0.80270386	-0.31927490
-0.46107483	-0.36256409	-0.46974182	-0.86145020	-0.70185852
-0.46107483	-0.36256409	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.43867493	0.43453979	1.00000000	0.42877197	0.42137146
0.44502258	0.40057373	0.43095398	-0.62115479	-0.54161072
-0.54556274	0.	-0.49528503	-0.53796387	-0.63967896
-0.61866760	0.	0.	0.86669922	0.29681396
0.46389771	0.86669922	0.80616760	0.69963074	-0.80017090
-0.36451721	-0.36451721	-0.98922729	-0.30921936	-0.36451721
-0.49827576	-0.30921936	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.43881226	0.46714703	0.50837708	0.56127930	0.60958862
0.44834900	0.48374829	0.48027039	-0.62768925	-0.65015625
-0.44785749	-0.31715393	-0.24252319	-0.53710938	-0.52210999
-0.44487060	0.35206604	0.57563782	0.57563782	0.95846558
0.72573499	0.11883545	0.04367065	0.69807019	0.
-0.33795166	-0.49584961	-0.99818420	-0.63497925	-0.26301575
-0.63497925	-0.63497925	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.62574414	0.42378709	0.42098999	0.48367310	0.69091797
0.41842651	0.51354980	0.42248535	-0.60699463	-0.29908752
-0.40720823	-0.51020813	-0.33757019	-0.60305786	-0.43217468
-0.60272217	0.	0.	0.79760742	0.79919434
0.40394532	0.40235901	0.79760742	0.79919434	-0.23908196
-0.63017700	-0.25100708	-0.65632629	-0.64857483	-0.65632629
-0.65017700	-0.25260925	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.48521423	0.48664856	0.48707581	0.58212280	0.48573303
0.48999868	0.49597168	0.46690796	-0.55990601	-0.48147583
-0.41476440	-0.55718994	-0.56005282	-0.31362915	-0.55590450
-0.55650330	0.19783020	0.19461060	0.23941040	0.87857056
0.49552917	0.87535095	0.87857056	0.23941040	-0.96741333
-0.57063293	-0.52583313	-0.57583313	-0.14279175	-0.57063293
-0.52583313	-0.57063293	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.51347351	0.43334961	0.57896423	0.55903625	0.47619051
0.43482971	0.52589417	0.47741699	-0.53038625	-0.53956604
-0.36851360	-0.53050232	-0.24966431	-0.52923584	-0.53060913
-0.52087402	0.87776144	0.76586914	0.55686951	0.30690002
0.73744629	0.50633240	0.22869873	0.	-0.51771545
-0.44609070	-0.51771545	-0.19006348	-0.30319214	-0.51771545
-0.77421379	-0.75271179	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.47082520	0.46098328	0.46348572	0.48470959	0.45086670
0.51169863	0.48171397	0.67312622	-0.50726318	-0.52711487
-0.50158691	-0.48802185	-0.43443298	-0.48063660	-0.54269409
-0.51763916	0.85247803	0.	0.72126770	0.72126770
0.	0.85247803	0.	0.85247803	-0.59912109
-0.73117065	-0.73117065	0.	-0.73117065	-0.40240479
-0.40240479	-0.40240479	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.45693370	0.46791077	1.00000000	0.31344404	0.66841125
0.33665466	0.35935974	0.39924731	-0.65263367	0.
-0.64392090	-0.58864441	-0.68728638	-0.25234925	-0.37112427
-0.70393372	1.00000000	0.	0.	1.00000000
1.00000000	0.	0.	1.00000000	-0.46354675
-0.66519165	-0.66519165	0.	-0.46354675	-0.66519165
-0.66519165	-0.41207886	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.65162659	0.52314758	0.53607178	0.48397027	0.54470825
0.54371643	0.41737366	0.29011894	-0.53166199	-0.59442139
-0.45152283	-0.53607178	-0.33564758	-0.49935059	-0.56741333
-0.52354431	0.56999207	0.96180725	0.03817749	0.96180725
0.42990112	0.03817749	0.42990112	0.56999207	-0.39836121
-0.10292053	-0.94271851	-0.55595398	-0.39836121	-0.10292053
-0.94271851	-0.55595398	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.50201416	0.39903259	0.63162231	0.44000244	0.56000627
0.41928101	0.39903259	0.64767436	-0.44023438	-0.55427351
-0.57789612	-0.57789612	-0.57690059	-0.26907349	-0.51417542
-0.43890381	0.21479797	1.00000000	0.02490234	0.02490234
0.22074890	1.00000000	0.83860779	0.67596436	-0.62924194
-0.63459778	-0.19763184	-0.63459778	-0.63459778	0.
-0.63459778	-0.63459778	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.44781494	0.41693115	0.40905762	0.42086792	0.45616150
0.64060974	0.78051758	0.42779541	-0.56907654	-0.45820618
-0.22325134	-0.56153870	-0.56262207	-0.55963135	-0.51340077
-0.55120850	0.	0.94725037	0.59617615	0.35760498
0.94725037	0.35760498	0.74732971	0.04667664	-0.67515564
-0.71907043	-0.31626892	-0.10630798	-0.46852112	-0.67515564
-0.72239685	-0.31626892	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.42562866	0.76673889	0.41470337	0.41909790	0.45280457
0.43222046	0.68450928	0.40341187	-0.57884216	-0.56989474
-0.57098389	-0.57156372	-0.51588440	-0.04833984	-0.57199097
-0.57156372	0.56045532	0.55874634	0.63795898	0.62437439
0.45960999	0.62437439	0.49488831	0.01927185	-0.39907037
-0.56845093	-0.53091431	-0.53091431	-0.46775818	-0.56845093
-0.46598816	-0.46775818	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.47557068	0.51690674	0.48014832	0.48139954	0.60052490
0.43333435	0.51165771	0.50010681	-0.50070986	-0.50298391
-0.49539185	-0.54189486	-0.49705505	-0.41052246	-0.52526011
-0.51776123	0.70606995	0.70606995	0.37442017	0.36500949
0.71139526	0.37974548	0.37033081	0.30644409	-0.33297729
-0.33297729	-0.66464233	-0.33297729	-0.33297729	-0.66464233
-0.66464233	-0.67404175	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.44613647	0.44148254	0.52851868	0.46693420	0.41790401
0.47068787	0.73161316	0.49630737	-0.47904968	-0.49024963
-0.55599976	-0.39266968	-0.59155273	-0.54965637	-0.59956360
-0.52118225	0.50651890	0.82221985	0.82221985	0.14286804
0.50651890	0.82221985	0.23446655	0.14286804	-0.79438782
-0.20664978	-0.43077087	-0.88598633	-0.52236938	-0.20664978
-0.43077087	-0.52236938	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.73548889	0.37936401	0.41375732	0.34410095	1.00000000
0.39491943	0.41253826	0.35998535	-0.51107788	-0.41287886
-0.51843098	-0.48710632	-0.51358032	-0.50209045	-0.57830811
-0.47669983	0.73667908	0.73667908	0.69194031	0.31277466
0.35160828	0.58508301	0.58508301	0.	-0.37377930
-0.37377930	-0.87179565	-0.38655090	-0.37377930	-0.37377930
-0.87179565	-0.37377930	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.50483704	0.51077271	0.54853821	0.53083801	0.45266724
0.45176697	0.48284912	0.51693726	-0.56950378	-0.42854309
-0.56372070	-0.44686890	-0.49957275	-0.46560669	-0.53347778
-0.49186707	0.68719482	0.04823303	0.61776733	0.83793640
0.19897461	0.40490723	0.49214172	0.71231079	-0.45726013
-0.58387756	-0.49664307	-0.27645874	-0.91543579	-0.49664307
-0.49664307	-0.27645874	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.45590210	0.34664917	0.86978149	0.63752747	0.37992859
0.43360901	0.45556641	0.42047119	-0.65960693	-0.55566406
-0.57055664	-0.56637573	-0.55366516	-0.26939392	-0.64897156
-0.17527771	0.	0.05168152	0.78872681	0.76213074
0.39669800	0.85937500	0.76664734	0.37463379	-0.29200745
-0.42396545	-0.85794067	-0.29200745	-0.39221191	-0.39221191
-0.98362732	-0.36384473	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.47013855	0.38639832	0.71080017	0.44168091	0.36608887
0.63054321	0.46466064	0.50907898	-0.57987976	-0.49867249
-0.51222229	-0.49032593	-0.36994934	-0.55235291	-0.52276611
-0.47341919	0.45161438	0.03125000	0.90005493	0.90005493
0.49148560	0.50747681	0.61897278	0.09892273	-0.38090515
-0.38090515	-0.38090515	-0.91394043	-0.38090515	-0.38090515
-0.38090515	-0.79965210	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.51562500	0.51446533	0.50967407	0.50901794	0.57424927
0.44453430	0.47131348	0.46038818	-0.53161621	-0.44354248
-0.53681946	-0.53312683	-0.49900576	-0.52728271	-0.54771423
-0.36842773	0.04289246	0.48908997	0.61175537	0.77024841
0.42541504	0.48908997	0.77024841	0.40104675	-0.45391846
-0.93659973	-0.43617249	-0.27265930	-0.43617249	-0.62872314
-0.56280518	-0.27265930	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.47131348	0.55400085	0.42153931	0.52290344	0.57231140
0.47024536	0.50958252	0.47798157	-0.51290894	-0.59301758
0.	-0.68899536	-0.53269958	-0.52851868	-0.62399292
-0.51982117	0.	0.93206787	0.12142944	0.93206787
0.90942566	0.25016785	0.01931763	0.75543213	-0.44062805
-0.56205750	-0.56205750	-0.65554810	0.	-0.56205750
-0.56205750	-0.65554810	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.51560664	0.48159790	0.52095032	0.37696838	0.53695679
0.55792236	0.51028442	0.49923706	-0.53251648	-0.44131470
-0.46441650	-0.52976990	-0.54199219	-0.54547119	-0.46476746
-0.47901917	0.31175232	0.	0.00575256	0.96682739
0.27746582	0.99125671	0.94927979	0.49754333	-0.27047729
-0.36573792	-0.98046875	-0.85775757	-0.27047729	-0.36573792
-0.36573792	-0.52337646	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.51510620	0.51889038	0.52848816	0.36834717	0.60867310
0.41232300	0.68093872	0.36695862	-0.62782288	-0.56831360
-0.55274963	0.	-0.53071594	-0.56484985	-0.60252380
-0.55294900	0.	0.91845703	0.91845703	0.60354614
0.59397888	0.65486145	0.31063843	0.	-0.69206238
-0.31300354	-0.68154907	-0.31300354	-0.31300354	-0.31300354
-0.68154907	-0.69206238	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.46633911	0.38592529	0.38592529	0.55482483	0.38124084
0.80067444	0.63845825	0.38592529	-0.67886353	0.
-0.46283386	-0.63317871	-0.20465088	-0.67665100	-0.66184998
-0.66184998	0.15055847	0.90504456	1.00000000	0.15055847
0.15055847	1.00000000	0.45214844	0.19107056	-0.38392639
-0.64640808	-0.64640808	0.	-0.38392639	-0.64640808
-0.64640808	-0.64640808	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.34536743	0.51319885	0.67895508	0.36489868	0.46446228
0.47595215	0.68005371	0.47688293	-0.45521545	-0.54571533
-0.46832275	-0.46218872	-0.59703064	-0.55337524	-0.48265076
-0.43522644	0.22044373	0.04713440	0.95574951	0.54963684
0.19886780	0.92111206	0.51501465	0.59193420	-0.30210876
-0.30210876	-0.72692871	-0.66838074	-0.30210876	-0.30210876
-0.72692871	-0.66838074	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.50245667	0.49763489	0.45230103	0.51574707	0.50689697
0.51350403	0.50929260	0.50177002	-0.42207336	-0.45268250
-0.55543518	-0.45375061	-0.54109192	-0.52462769	-0.56835938
-0.49126221	0.67193604	0.67193604	0.11668396	0.25476074
0.22939546	0.66595459	0.69741821	0.69161967	-0.39117432
-0.35969543	-0.35969543	-0.88931274	-0.91499329	-0.35969543
-0.35969543	-0.36549377	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43988037	0.58619690	0.55679321	0.53781128	0.49139404
0.43672180	0.51307678	0.43722534	-0.37026978	-0.54415894
-0.50542846	-0.50035095	-0.53889465	-0.54418945	-0.47142029
-0.52415466	0.	0.78959656	0.92468262	0.73554993
0.44709778	0.85955811	0.24343872	0.	-0.68302917
-0.68302917	-0.66485596	0.	-0.66485596	-0.27328491
-0.34780884	-0.68302917	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.39450623	0.35430908	0.64056396	0.41584778	0.62156677
0.46653748	0.74121094	0.37496948	-0.45315552	-0.46908569
-0.50122070	-0.52630725	-0.52006531	-0.50297546	-0.55290222
-0.47610474	0.	0.63555908	0.71629333	0.59181213
0.40475464	0.54536438	0.61528015	0.49079895	-0.40954590
-0.42201233	-0.32882690	-0.47253418	-0.84542847	-0.68925476
-0.40954590	-0.42201233	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.47029114	0.47719323	0.56237793	0.56031799	0.48701477
0.46081543	0.55306897	0.43144226	-0.42022705	-0.44209290
-0.52482605	-0.57162476	-0.60002136	-0.49440002	-0.45881653
-0.48768616	0.83947754	0.11128235	0.11714172	0.35205078
0.92601013	0.84535217	0.69110107	0.11714172	-0.82798767
-0.32673645	-0.32673645	-0.48474121	-0.97660828	-0.32673645
-0.44474.21	-0.24548340	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.41474724	0.41934204	0.43551636	0.55319214	0.50343323
0.59938721	0.63316345	0.48187256	-0.48370361	-0.62973022
-0.63435364	0.	-0.50866699	-0.65353394	-0.56195396
-0.52838135	0.85411072	0.79534912	0.	0.85411072
0.83377075	0.	0.	0.66259766	0.
-0.63212585	-0.71855164	-0.01332092	-0.63212585	-0.71855164
-0.71855164	-0.56665039	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.57014465	0.60231018	0.48950195	0.48187256	0.44863892
0.50296865	0.45945740	0.44447327	-0.50100708	-0.53848637
-0.53808394	-0.35890198	-0.52580261	-0.53710938	-0.53465271
-0.46539307	0.89668274	0.27658081	0.64428711	0.30322266
0.40202332	0.30911255	0.27049092	0.89668274	-0.31214905
-0.69589233	-0.60295105	-0.07574463	-0.31214905	-0.70176697
-0.60295105	-0.69589233	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.53001404	0.42007446	0.49177551	0.46257019	0.50448979
0.51046649	0.51701355	0.56364441	-0.44300842	-0.46975708
-0.47970581	-0.50851440	-0.58721924	-0.47657776	-0.59117126
-0.44314575	0.72064209	0.39588926	0.76344299	0.43869019
0.10948018	0.41218567	0.43869019	0.72064209	-0.96029663
-0.33049011	-0.33049011	-0.65760803	-0.35290527	-0.68469238
-0.35290527	-0.33049011	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.48713484	0.42379761	0.83419800	0.41455078	0.42021179
0.46183777	0.54361125	0.41471863	-0.08193970	-0.62203325
-0.38401794	-0.62120056	-0.42065125	-0.61256409	-0.44123840
-0.61552429	0.	0.66442871	0.94474792	0.66691589
0.20321655	0.05610657	0.94474792	0.51980591	-0.18260193
-0.70280457	-0.70565796	-0.70280457	-0.70280457	-0.04591370
-0.23167847	-0.70565796	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.41914368	0.33601379	0.46899414	0.49656677
0.44371033	0.41600037	0.41943359	-0.51751709	-0.51290523
-0.54910278	-0.51855469	-0.50068665	-0.49658203	-0.39311218
-0.51119995	0.63146973	0.77268982	0.93896484	0.12629700
0.63146973	0.77268982	0.12629700	0.	-0.46920776
-0.09820557	-0.88970947	-0.46920776	-0.46920776	-0.46920776
-0.66579674	-0.46920776	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.46340942	0.47001648	0.43553162	0.46340942	0.46070862
0.61167908	0.46472168	0.62985229	-0.47425842	-0.23999023
-0.56294250	-0.56419373	-0.46472168	-0.55509949	-0.58039856
-0.55758667	0.57385254	0.51242065	0.59799194	0.65545654
0.57385254	0.57385254	0.51242065	0.	-0.48623657
-0.54936218	-0.46145630	-0.48623657	-0.49029541	-0.48623657
-0.49029541	-0.54936218	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.41404724	0.52261353	0.51872253	0.43041992	0.41528320
0.52655029	0.47579430	0.69627380	-0.57141113	-0.44061267
-0.57800293	-0.38725281	-0.57827759	-0.50991821	-0.41987610
-0.48609924	0.34024048	0.35992432	0.17720032	0.98478699
0.46508789	0.30204773	0.30204773	0.56843567	-0.49082947
-0.65392385	-0.65382385	-0.49082947	-0.49082947	-0.49082947
-0.65382385	-0.07452393	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.50559938	0.48303223	0.45773315	0.45710754	0.52143860
0.46997070	0.53353982	0.57127380	-0.31214905	-0.62126160
-0.60514832	-0.57521057	-0.53442383	-0.45825195	-0.41607666
-0.47723389	0.64582925	0.26251221	0.83175659	0.64710999
0.48522949	0.44844055	0.43246460	0.24653625	-0.38813782
-0.41087341	-0.60951233	-0.80951233	-0.38813782	-0.41087341
-0.57270813	-0.60951233	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.40931762	0.51405334	0.42837524	0.69915771	0.49935913
0.31918335	0.44004822	0.68994141	-0.38854980	-0.43019104
-0.54139038	-0.56623840	-0.51356032	-0.37934875	-0.62303162
-0.51701355	0.50230408	0.	0.90481567	0.79763794
0.41331482	0.66017151	0.55300903	0.16867065	-0.36038208
-0.47024536	-0.86386108	-0.36038208	-0.36038208	-0.86386108
-0.36038208	-0.36038208	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	0.71469116	0.45033264	0.30184937	0.30122375
0.52476501	0.35351563	0.35351563	-0.52777100	-0.53433228
-0.51456370	-0.55297852	-0.44911194	-0.57894897	-0.29866028
-0.54292297	0.	1.00000000	0.92243958	0.25819397
0.03733826	0.09213257	1.00000000	0.68984985	-0.68138123
-0.54257202	0.	-0.68138123	-0.63304138	0.
-0.68138123	-0.79018188	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.30976868	0.32145691	0.30766296	0.44818115	0.79269409
0.58094788	0.34654917	0.89178467	-0.50469971	-0.61448669
-0.55937385	-0.30849915	-0.24009705	-0.43608093	-0.58587646
-0.55013616	0.	0.97648621	0.97648621	0.99880981
0.62561035	0.18922424	0.13638306	0.09693909	-0.36798096
-0.36798095	-0.12911987	-0.36798096	-0.36798096	-0.78794861
-0.94564813	-0.66528320	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.47566223	0.57104492	0.47770691	0.52346802	0.47431946
0.47593664	0.51956177	0.48185730	-0.52470398	-0.49582563
-0.52773388	-0.52983911	-0.50611977	-0.52752686	-0.41465759
-0.47429994	0.69499207	0.34376526	0.26579285	0.69499207
0.25965941	0.34989929	0.69499207	0.69499207	-0.62590027
-0.63206482	-0.54179382	-0.19671631	-0.63206482	-0.54795837
-0.62590.27	-0.19671631	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.39094164	0.74914551	0.39353343	0.37710571	0.73118591
0.37653.15	0.49493408	0.45769729	-0.49649377	-0.57569308
-0.61534533	-0.25355530	-0.41490173	-0.57038879	-0.56861877
-0.53990295	0.	0.00784302	0.99081421	0.32659912
0.94415736	0.99081421	0.32054138	0.41920471	-0.44052124
-0.91094.22	-0.40408325	-0.18521118	-0.44052124	-0.99275208
-0.18521118	-0.44052124	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.52363477	0.51588440	0.54290771	0.46685791	0.50962993
0.51385499	0.39682007	0.52833557	-0.52032471	-0.57059802
-0.57984924	-0.50947571	-0.57096863	-0.50883484	-0.66197205
-0.06493637	0.57641602	0.	0.54704285	1.00000000
0.53892273	0.	0.27757263	1.00000000	-0.25921631
-0.90536499	-0.55001831	-0.55001831	-0.31742859	-0.31742859
-0.55001831	-0.55001831	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.50782776	0.50851440	0.53352356	0.53422546	0.50666309
0.54946899	0.39860535	0.46083089	-0. 63.6956	-0.55609131
-0.46879578	-0.45391846	-0.54559326	-0.47019958	-0.47610474
-0.54573059	0.75323486	0.23986816	0.08840942	0.25166321
0.72016907	0.55690302	0.70837402	0.68110657	-0.87484741
-0.33416748	-0.36143494	-0.49743652	-0.87484741	-0.33416748
-0.36143494	-0.36143494	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.51002502	0.50268555	0.53459167	0.49482727	0.49362183
0.41107178	0.55169678	0.50090027	-0.47447205	-0.49748230
-0.53929138	-0.50198364	-0.48600769	-0.59542847	-0.49647522
-0.40835571	0.	0.87554932	0.69075012	0.17170715
0.35383606	0.75921631	0.57441711	0.57441711	-0.28312683
-0.80905151	-0.30450439	-0.83042908	-0.30450439	-0.49028015
-0.49028015	-0.48756409	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.21298218	0.95039368	0.73611450
0.70793497	0.56224060	0.35772705	0.53935242	0.64349365
0.30033479	0.26971436	0.89324951	0.59548950	0.76780701
0.47456360	1.00000000	1.00000000	0.98243713	0.62612915
0.	0.10598755	0.35997009	1.00000000	0.01570129
0.48103333	0.68238831	0.68177795	0.77105713	0.20438984
0.03263855	0.83779907	0.50551025	1.00000000	0.98243713
0.07037354	0.20715332	0.33204451	0.92788696	0.65538025
0.27671414	1.00000000	0.91113281	0.	0.15599060
0.61358643	0.	0.55653381	0.42719727	0.90980530
0.94296592	0.50445557	0.71792603	0.26481628	0.
0.41160583	0.	0.93920898	0.	0.38768005
0.02633667	0.	0.20019531	0.	-0.45094299
-0.67340388	-0.67965698	-0.43652344	-0.20828247	-0.80470276
-0.45896312	-0.64573669	-0.35566711	-0.46627808	-0.13232422
-0.94866943	-0.49708557	-0.79005459	-0.94866943	0.
-0.94866943	-0.43374634	-0.44335938	-0.92939758	-0.55661011
-0.42253113	-0.39466858	-0.33412170	-0.93325806	-0.24650574
-0.86575317	-0.59344482	-0.84434509	-0.14848328	-0.37780762
-0.07367107	-0.82818604	-0.66986084	-0.49404907	-0.91468811
-0.66029358	-0.63571167	-0.51272583	-0.76603699	-0.62324524
-0.472[illegible]436	-0.85411072	-0.10784912	-0.70571899	-0.32151794
-0.35[illegible]0.63	-0.13232422	-0.51068115	0.	-0.74281311
-0.42[illegible]767C9	-0.61595154	-0.53744507	-0.11769104	0.
0.	0.	-0.09486389	-0.89549255	-0.70870972
-0.25432196	0.	0.	0.	0.

COMPONENT 2. 2 G-WEIGHTS

0.50000000	-0.50000000	0.76216125	0.09889221	0.17147827
0.	0.24229431	0.70962524	0.16238403	0.
0.05506837	0.55534363	0.26498413	0.45823669	0.93389893
0.53874207	0.47340393	0.49324036	0.08045959	0.73175049
0.82043457	0.86389160	1.00000000	0.10185242	0.57955933
0.89285278	0.11529541	0.89439392	0.	0.
1.00000000	0.97393799	0.53063965	0.93464661	0.18579102
0.63630676	0.60896301	0.09559631	1.00000000	0.29754639
0.64662170	0.	0.89837646	0.	0.70037842
0.92993164	0.74673462	0.93464661	0.	0.89439392
0.	0.47755432	0.17372131	0.01202393	0.72544861
0.	0.80552673	0.80146790	0.61457825	0.93464661
0.62636838	0.59677124	0.24220276	0.97393799	-0.27738953
-0.94239281	-0.86083984	-0.83164978	-0.99093628	-0.80381775
-0.8499[illegible].06	0.	-0.42059326	-0.99093628	-0.93544006
-0.41932678	-0.50398254	-0.99093628	-0.76892090	-0.11637878
-0.15773010	-0.42594910	-0.31483459	-0.31610107	-0.18119812
-0.13746443	0.	-0.45599365	-0.40086365	-0.45245361
-0.15653192	-0.07926941	-0.12257385	-0.99093628	-0.12257385
-0.39[illegible]3628	-0.58735657	-0.20153809	-0.99093628	-0.43304443
-0.24716.87	-0.26308167	-0.88726907	-0.99093628	-0.93869019
0.	-0.73074341	-0.35075378	-0.99093628	-0.09165955
-0.95[illegible]429	-0.99093628	-0.11769104	-0.25329590	-0.03572083
-0.93[illegible]029	-0.03572083	-0.20428467	-0.83605957	-0.23750305
-0.59226[illegible].3	-0.49411011	-0.54530334	-0.87677002	0.
-0.12257385	0.	0.	0.	0.

NINPS=0000000012 NOVCS=0000000014 INDICT=0000000001

```
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.36796296
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.56131383
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.79466471
    **  CONTROL=000000000003
        3 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -0.79466471

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.          13. 1     0.0055506   14. 1     0.          15. 1     0.
       16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.4416817   20. 1     0.
       21. 1     0.          22. 1     0.1634167   23. 1     0.          24. 1     0.          25. 1     0.2790327
       26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
       31. 1     0.          32. 1     0.5745736   33. 1     0.4113609   34. 1     0.          35. 1     0.
       36. 1     0.2558222   37. 1     0.          38. 1     0.6902758   39. 1     0.          40. 1     0.
       41. 1     0.          42. 1     0.2426819   43. 1     0.          44. 1     0.          45. 1     0.
       46. 1     0.          47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.
       51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.3057632   55. 1     0.
       56. 1     0.          57. 1     0.0713738   58. 1     0.          59. 1     0.          60. 1     0.4581212
       61. 1     0.          62. 1     0.          63. 1     0.4108153   64. 1     0.1734493   65. 1     0.
       66. 1     0.          67. 1     0.          68. 1     0.3817157   69. 1     0.          70. 1     0.0997009
       71. 1     0.          72. 1     0.           0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.50060031
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.89116140
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =    -0.89116140

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2     1.0482259    2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    1.04823
SUM NO.   2 IS    0.

*** 61    INPUT H2        INDENTIFICATION CORRECT
MINPS=000000000011      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.37267485
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.89149557
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.41031629
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.15090594
    **  CONTROL=000000000007
        4 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.15090594

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.0016354    5. 1     0.
        6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
       11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
       16. 1     0.6593842   17. 1     0.          18. 1     0.          19. 1     0.3156569   20. 1     0.
       21. 1     0.          22. 1     0.          23. 1     0.1222916   24. 1     0.7814694   25. 1     0.
       26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.1635166   30. 1     0.
       31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
       36. 1     0.          37. 1     0.          38. 1     0.          39. 1     0.          40. 1     0.
       41. 1     0.6519103   42. 1     0.8457646   43. 1     0.          44. 1     0.          45. 1     0.
       46. 1     0.          47. 1     0.6442420   48. 1     0.4064949   49. 1     0.          50. 1     0.
       51. 1     0.          52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
       56. 1     0.          57. 1     0.5174014   58. 1     0.          59. 1     0.          60. 1     0.1083343
       61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
       66. 1     0.          67. 1     0.          68. 1     0.          69. 1     0.          70. 1     0.
       71. 1     0.          72. 1     0.2390522    0. 0     0.           0. 0     0.           0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.44356750
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.57937717
    **  CONTROL=000000000003
        2 BIAS CHANGES

        LEVEL   2    MS =     0.           BIAS =    -0.57937717

       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
        1. 2     0.           2. 2     1.0721404    0. 0     0.           0. 0     0.           0. 0     0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.07214

*** 62    INPUT V2        INDENTIFICATION CORRECT
MINPS=000000000010      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.40894054
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.72360893
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.03827731
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.35294570
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.19561151
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.11694442
    **  CONTROL=000000000007
```

```
        6 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.11694442

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.            4. 1     0.            5. 1     0.
         6. 1     0.            7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.0303110
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.           19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.9041037    23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.7313655    29. 1     0.           30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.4990706    39. 1     0.           40. 1     0.
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.           47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.4147149    52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.7933020    58. 1     0.0671165    59. 1     0.           60. 1     0.2640466
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.3175917
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.57855944
    ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -4.26086235
    ** CONTROL=000000000003
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.41971090
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49913518
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -1.95942304
    ** CONTROL=000000000007
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -2.18956694
    ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =    -2.18956694

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     1.0325787     2. 2     0.            0. 0     0.            0. 0     0.            0. 0     0.
SUM NC.   1 IS    1.03258
SUM NC.   2 IS    0.

*** 63    INPUT M3        INDENTIFICATION CORRECT
MINPS=000000000007       NCYCS=000000000014       INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.45816360
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.97224125
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.49631890
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.22928008
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.35779949
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.29353979
    ** CONTROL=000000000007
        6 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.29353979

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1     0.            2. 1     0.            3. 1     0.0995564     4. 1     0.6116418     5. 1     0.
         6. 1     0.7518299     7. 1     0.            8. 1     0.            9. 1     0.           10. 1     0.7664716
        11. 1     0.           12. 1     0.           13. 1     0.           14. 1     0.           15. 1     0.
        16. 1     0.           17. 1     0.           18. 1     0.5350912    19. 1     0.           20. 1     0.
        21. 1     0.           22. 1     0.           23. 1     0.           24. 1     0.           25. 1     0.
        26. 1     0.           27. 1     0.           28. 1     0.1769737    29. 1     0.41260-1    30. 1     0.
        31. 1     0.           32. 1     0.           33. 1     0.           34. 1     0.           35. 1     0.
        36. 1     0.           37. 1     0.           38. 1     0.           39. 1     0.           40. 1     0.7618016
        41. 1     0.           42. 1     0.           43. 1     0.           44. 1     0.           45. 1     0.
        46. 1     0.1411955    47. 1     0.           48. 1     0.           49. 1     0.           50. 1     0.
        51. 1     0.           52. 1     0.           53. 1     0.           54. 1     0.           55. 1     0.
        56. 1     0.           57. 1     0.           58. 1     0.           59. 1     0.           60. 1     0.6029962
        61. 1     0.           62. 1     0.           63. 1     0.           64. 1     0.           65. 1     0.
        66. 1     0.           67. 1     0.           68. 1     0.           69. 1     0.           70. 1     0.
        71. 1     0.           72. 1     0.            0. 0     0.            0. 0     0.            0. 0     0.
        0 BIAS CHANGES

        LEVEL   2    MS =     .0[illegible]            BIAS =    0.

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2     0.3286474     2. 2     0.7403058     0. 0     0.            0. 0     0.            0. 0     0.
SUM NC.   1 IS    0.32865
SUM NC.   2 IS    0.74031

*** 64    INPUT M3        INDENTIFICATION CORRECT
MINPS=000000000006       NCYCS=000000000014       INDICT=000000000001

LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.08164676
    ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.25948960
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.43733244
    ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.34841102
    ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.30395032
    ** CONTROL=000000000007
```

```
        5 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =    -0.30395032

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 1     0.           2. 1     0.           3. 1     0.           4. 1     0.           5. 1     0.
      6. 1     0.           7. 1     0.0152362    8. 1     0.           9. 1     0.6794032   10. 1     0.4234463
     11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.
     16. 1     0.3818842   17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
     21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
     26. 1     0.3240592   27. 1     0.          28. 1     0.3773460   29. 1     0.          30. 1     0.
     31. 1     0.4669071   32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
     36. 1     0.          37. 1     0.9735842   38. 1     0.          39. 1     0.          40. 1     0.
     41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.2669432   45. 1     0.
     46. 1     0.          47. 1     0.1439418   48. 1     0.          49. 1     0.          50. 1     0.
     51. 1     0.5932264   52. 1     0.          53. 1     0.          54. 1     0.          55. 1     0.
     56. 1     0.          57. 1     0.          58. 1     0.3211611   59. 1     0.          60. 1     0.
     61. 1     0.1233853   62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.1658595
     66. 1     0.          67. 1     0.1187618   68. 1     0.          69. 1     0.          70. 1     0.
     71. 1     0.          72. 1     0.          0. 0      0.          0. 0      0.          0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.32264187
    ** CONTROL=0000100C001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.64528216
    ** CONTROL=0000100C003
        2 BIAS CHANGES

      LEVEL   2    MS =     0.           BIAS =    -0.64528216

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 2     1.0000000   2. 2     0.           0. 0     0.           0. 0     0.           0. 0     0.
SUM NC.   1 IS    1.00000
SUM NC.   2 IS    0.

*** 65    INPUT V4        INDENTIFICATION CORRECT
NINPS=000000000005      NCVCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.41336211
    ** CONTROL=0000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.01462665
    ** CONTROL=0000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.61587119
    ** CONTROL=0000000000303
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.31524892
    ** CONTROL=0000000000007
        4 BIAS CHANGES

      LEVEL   1    MS =     0.09999999    BIAS =    -1.31524892

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 1     0.           2. 1     0.           3. 1     0.6670524    4. 1     0.           5. 1     0.
      6. 1     0.           7. 1     0.           8. 1     0.           9. 1     0.          10. 1     0.
     11. 1     0.          12. 1     0.          13. 1     0.          14. 1     0.          15. 1     0.6520009
     16. 1     0.          17. 1     0.          18. 1     0.          19. 1     0.          20. 1     0.
     21. 1     0.          22. 1     0.          23. 1     0.          24. 1     0.          25. 1     0.
     26. 1     0.          27. 1     0.          28. 1     0.          29. 1     0.          30. 1     0.
     31. 1     0.          32. 1     0.          33. 1     0.          34. 1     0.          35. 1     0.
     36. 1     0.          37. 1     0.          38. 1     0.1887546   39. 1     0.          40. 1     0.
     41. 1     0.          42. 1     0.          43. 1     0.          44. 1     0.          45. 1     0.7050825
     46. 1     0.4579702   47. 1     0.          48. 1     0.          49. 1     0.          50. 1     0.2295154
     51. 1     0.5808835   52. 1     0.3483045   53. 1     0.          54. 1     0.          55. 1     0.
     56. 1     0.          57. 1     0.          58. 1     0.          59. 1     0.          60. 1     0.
     61. 1     0.          62. 1     0.          63. 1     0.          64. 1     0.          65. 1     0.
     66. 1     0.          67. 1     0.7132930   68. 1     0.          69. 1     0.5258758   70. 1     0.
     71. 1     0.          72. 1     0.          0. 0      0.          0. 0      0.          0. 0      0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     0.06430189
    ** CONTROL=0000000000001
        4 BIAS CHANGES

      LEVEL   2    MS =     0.           BIAS =     0.06430189

     COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
      1. 2     0.           2. 2     0.9356981    0. 0     0.           0. 0     0.           0. 0     0.
SUM NC.   1 IS    0.
SUM NC.   2 IS    0.93570

*** 66    INPUT V4        INDENTIFICATION CORRECT
NINPS=000000000004      NCVCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     0.06944443
    ** CONTROL=0000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    47.50462818
    ** CONTROL=0000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    23.78703618
    ** CONTROL=0000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    11.92824042
    ** CONTROL=0000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     5.99864242
    ** CONTROL=0000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     3.03414345
    ** CONTROL=0000000000003
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     1.55179396
    ** CONTROL=0000000000003
```

```
ARITHMETICC OVERFLOW OCCURED AT LOC 22135
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.81061922
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.44003186
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.62532553
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.53267869
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =      0.57900211
    **  CONTROL=000000000007
         12 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =     0.57900211

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1    0.0466968     2. 1    0.1420821     3. 1    0.3705856     4. 1    0.0671607     5. 1    0.
         6. 1    0.            7. 1    0.            8. 1    0.0878112     9. 1    0.5143883    10. 1    0.1695115
        11. 1    0.           12. 1    0.           13. 1    0.0092911    14. 1    0.0255395    15. 1    0.1939533
        16. 1    0.1079032    17. 1    0.0329351    18. 1    0.1157414    19. 1    0.           20. 1    0.
        21. 1    0.           22. 1    0.           23. 1    0.0416568    24. 1    0.3196167    25. 1    0.
        26. 1    0.1581884    27. 1    0.0604468    28. 1    0.           29. 1    0.1418406    30. 1    0.0699060
        31. 1    0.1999329    32. 1    0.           33. 1    0.           34. 1    0.1047345    35. 1    0.
        36. 1    0.           37. 1    0.4208702    38. 1    0.           39. 1    0.2535560    40. 1    0.
        41. 1    0.0958948    42. 1    0.           43. 1    0.0468293    44. 1    0.           45. 1    0.0842291
        46. 1    0.0503690    47. 1    0.0940368    48. 1    0.           49. 1    0.0916834    50. 1    0.
        51. 1    0.1565052    52. 1    0.0895643    53. 1    0.           54. 1    0.           55. 1    0.0309465
        56. 1    0.           57. 1    0.           58. 1    0.           59. 1    0.0204592    60. 1    0.
        61. 1    0.2015722    62. 1    0.0736871    63. 1    0.           64. 1    0.           65. 1    0.
        66. 1    0.0419150    67. 1    0.2705784    68. 1    0.           69. 1    0.0670229    70. 1    0.
        71. 1    0.           72. 1    0.0234766     0. 0    0.            0. 0    0.            0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =      0.12183654
    **  CONTROL=000000000001
         1 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =     0.12183654

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2    0.5487752     2. 2    0.4512248     0. 0    0.            0. 0    0.            0. 0    0.
SUM NC.   1 IS    0.54878
SUM NC.   2 IS    0.45122

*** 67    INPUT MS        INDENTIFICATION CORRECT
MINPS=000000000003      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.40656336
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.93774280
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.46892224
    **  CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.20333253
    **  CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -1.33612739
    **  CONTROL=000000000007
         5 BIAS CHANGES

        LEVEL   1    MS =     0.09999999    BIAS =    -1.33612739

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 1    0.            2. 1    0.3191919     3. 1    0.            4. 1    0.            5. 1    0.
         6. 1    0.            7. 1    0.            8. 1    0.3432337     9. 1    0.           10. 1    0.
        11. 1    0.           12. 1    0.           13. 1    0.           14. 1    0.           15. 1    0.
        16. 1    0.           17. 1    0.           18. 1    0.           19. 1    0.           20. 1    0.
        21. 1    0.           22. 1    0.           23. 1    0.           24. 1    0.           25. 1    0.
        26. 1    0.6636283    27. 1    0.           28. 1    0.           29. 1    0.           30. 1    0.
        31. 1    0.           32. 1    0.           33. 1    0.           34. 1    0.6570409    35. 1    0.
        36. 1    0.           37. 1    0.           38. 1    0.           39. 1    0.7180850    40. 1    0.
        41. 1    0.           42. 1    0.           43. 1    0.           44. 1    0.           45. 1    0.
        46. 1    0.           47. 1    0.           48. 1    0.           49. 1    0.           50. 1    0.6803889
        51. 1    0.           52. 1    0.           53. 1    0.           54. 1    0.           55. 1    0.
        56. 1    0.           57. 1    0.           58. 1    0.           59. 1    0.           60. 1    0.
        61. 1    0.           62. 1    0.           63. 1    0.2526542    64. 1    0.2633468    65. 1    0.
        66. 1    0.           67. 1    0.6367147    68. 1    0.           69. 1    0.           70. 1    0.
        71. 1    0.           72. 1    0.            0. 0    0.            0. 0    0.            0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.43006149
    **  CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =     -0.86012299
    **  CONTROL=000000000003
         2 BIAS CHANGES

        LEVEL   2    MS =     0.            BIAS =    -0.86012299

       COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT        COMP.    OUTPUT
         1. 2    0.            2. 2    1.0000000     0. 0    0.            0. 0    0.            0. 0    0.
SUM NC.   1 IS    0.
SUM NC.   2 IS    1.00000

*** 68    INPUT VS        INDENTIFICATION CORRECT
MINPS=000000000002      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.04702365
    **  CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =     -0.15880322
    **  CONTROL=000000000003
```

```
  2 BIAS CHANGES

 LEVEL   1    MS =     0.09999999    BIAS =    -0.15880322

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.1066131    2. 1    0.           3. 1    0.3587813    4. 1    0.           5. 1    0.3132565
  6. 1    0.2864881    7. 1    0.           8. 1    0.0574768    9. 1    0.          10. 1    0.
 11. 1    0.          12. 1    0.2274193   13. 1    0.          14. 1    0.          15. 1    0.2489999
 16. 1    0.          17. 1    0.          18. 1    0.          19. 1    0.          20. 1    0.
 21. 1    0.          22. 1    0.          23. 1    0.          24. 1    0.          25. 1    0.
 26. 1    0.          27. 1    0.3172292   28. 1    0.          29. 1    0.          30. 1    0.1911445
 31. 1    0.          32. 1    0.          33. 1    0.          34. 1    0.3446757   35. 1    0.5440882
 36. 1    0.1648384   37. 1    0.          38. 1    0.          39. 1    0.8134057   40. 1    0.
 41. 1    0.          42. 1    0.          43. 1    0.          44. 1    0.          45. 1    0.0019027
 46. 1    0.          47. 1    0.          48. 1    0.4309051   49. 1    0.          50. 1    0.
 51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.          55. 1    0.
 56. 1    0.          57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
 61. 1    0.          62. 1    0.          63. 1    0.          64. 1    0.          65. 1    0.
 66. 1    0.7650799   67. 1    0.          68. 1    0.          69. 1    0.          70. 1    0.
 71. 1    0.          72. 1    0.0785175    0. 0    0.           0. 0    0.           0. 0    0.
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.44494048
   ** CONTROL=000000000001
LEVEL   2 OUTPUT OUT OF RANGE, NEW BIAS =    -0.88988099
   ** CONTROL=000000000003
  2 BIAS CHANGES

 LEVEL   2    MS =     0.           BIAS =    -0.88988099

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2    1.0000000    2. 2    0.           0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    1.00000
SUM NO.   2 IS    0.

*** 69    INPUT H6        INDENTIFICATION CORRECT

MINPS=000000000001      NCYCS=000000000014      INDICT=000000000001


LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -0.46254507
   ** CONTROL=000000000001
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.09156005
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.72057503
   ** CONTROL=000000000003
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.40606755
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.24881381
   ** CONTROL=000000000007
LEVEL   1 OUTPUT OUT OF RANGE, NEW BIAS =    -1.32744068
   ** CONTROL=000000000007
  6 BIAS CHANGES

 LEVEL   1    MS =     0.09999999    BIAS =    -1.32744068

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 1    0.           2. 1    0.3230542    3. 1    0.           4. 1    0.           5. 1    0.
  6. 1    0.           7. 1    0.           8. 1    0.           9. 1    0.          10. 1    0.
 11. 1    0.          12. 1    0.6408181   13. 1    0.          14. 1    0.2286597   15. 1    0.
 16. 1    0.          17. 1    0.          18. 1    0.          19. 1    0.          20. 1    0.
 21. 1    0.2144370   22. 1    0.          23. 1    0.          24. 1    0.          25. 1    0.0466456
 26. 1    0.          27. 1    0.          28. 1    0.          29. 1    0.          30. 1    0.
 31. 1    0.2631795   32. 1    0.          33. 1    0.3823464   34. 1    0.          35. 1    0.
 36. 1    0.1834260   37. 1    0.0830077   38. 1    0.          39. 1    0.          40. 1    0.
 41. 1    0.          42. 1    0.          43. 1    0.0730825   44. 1    0.1209064   45. 1    0.
 46. 1    0.          47. 1    0.          48. 1    0.          49. 1    0.          50. 1    0.
 51. 1    0.          52. 1    0.          53. 1    0.          54. 1    0.1216612   55. 1    0.7229302
 56. 1    0.          57. 1    0.          58. 1    0.          59. 1    0.          60. 1    0.
 61. 1    0.          62. 1    0.7045513   63. 1    0.0194485   64. 1    0.0918307   65. 1    0.4800353
 66. 1    0.          67. 1    0.          68. 1    0.          69. 1    0.          70. 1    0.
 71. 1    0.          72. 1    0.           0. 0    0.           0. 0    0.           0. 0    0.
  0 BIAS CHANGES

 LEVEL   2    MS =     0.           BIAS =    0.

COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT       COMP.    OUTPUT
  1. 2    0.           2. 2    1.0798956    0. 0    0.           0. 0    0.           0. 0    0.
SUM NO.   1 IS    0.
SUM NO.   2 IS    1.07990

*** 70    INPUT V6        INDENTIFICATION CORRECT
MINPS=000000000014      NCYCS=000000000014      INDICT=000000000001


END OF INPUT. SIMULATION COMPLETE.
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MAIN TEST IS DONE.

$$$
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9 214833 0 $JOB     321   0,10,15000     65-424,FLAUGHER, J.G.,MRBAM


90 UNIT        RD    PU    PR    A1    A2    A3    A4    A5    A6    A7    A8    A9    A0    B1    B2    B3    B4    B5    B6    B7
FUNCTION      CRD   PCH   PRT   LB1   IN1   OU1   PP1   CK1
SYMBOLIC                                                        A(4)  B(1)                                  UT1   UT2   UT3   UT4   CK2
40 LOGICAL     32    33    34    00    01    02    03    04    05    06    07    08    09    10    11    12    13    14    15    16
40 UNIT      DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK

90 UNIT        B8    B9    B0    C1    C2    C3    C4    C5    C6    D1    D2    D3    D4    D5    D6
FUNCTION
SYMBOLIC
40 LOGICAL     17    18    19    20    21    22    23    24    25    26    27    28    29    30    31
40 UNIT      DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK  DISK

9 214833 0 $SETUP A(4)     DISK,1106
9 214833 0 $SETUP B(1)     DISK,1327
9 214833 0 $ATEND          00000,77777,6,DUMP
9 214833 0 $EXECUTE        IBJOB

9 215048 0          6701 LINES OUTPUT.
9 215052 0 $STOP

9 215052 0  PERIPHERAL FILE P' ITIONS AT END OF JOB

9 215052 0  SYSPP1              REC. 00642, FILE 00000
9 215052 0  SYSOU1              REC. 01186, FILE 00000
9 215052 0  SYSIN1              REC. 00001, FILE 00003

9 215052 0 END OF JOB


9 215056 0       SYSTEMS CORE DUMP TAKEN AT THIS POINT

IBJOB VERSION 5 HAS CONTROL.
$IBJOB         MAP
$IBMAP UN01

            UN01                                                    01/28/66                                PAGE  1
          7094 RELMOD ASSEMBLY.

                $IBLDR UN01              28 JAN 66                                        UN010000

                $FILE  UN01    'UNIT01',A(1),READY,INOUT,BLK=256,BIN                      UN010001

            UN01                                                    01/28/66                                PAGE  2
         FILE DICTIONARY.

                $FDICT UN01                                                                UN010002

BINARY CARD ID. UN010003
             206002000400  UNIT01 FILE   'UNIT01                        BIN,INOUT,NOHCVN,BLK=256
             000000000000
             644531630001
             606060606060
             606060606060

            UN01                                                    01/28/66                                PAGE  3
         ASSEMBLED TEXT.

                $TEXT  UN01                                                                UN010004

                                         ENTRY   .UN01.

BINARY CARD ID. UN010005
       00000  0 00000 0 04001  10010  .UN01. PZE     UNIT01
                                      UNIT01 FILE    ,A(1),READY,INOUT,BLK=256,BIN
                        00000  01111          END
```

```
          UNC1                                                    01/28/66                          PAGE  4
        CONTROL DICTIONARY

               $CDICT UN01                                                                  UN010006

BINARY CARD ID. UN010007
          000001000000              PREFACE     START=0,LENGTH=1,TYPE=7094,CMPLX=5
          000004000005
          644500016060      UN01    DECK        LOC=0,LENGTH=1
          000001000000
          336445000133      .UN01.  REAL        LOC=0,LENGTH=0
          000000000000
               $DKEND UN01                                                                  UN010008

NO MESSAGES FOR THIS ASSEMBLY

          UN01                                                    01/28/66                          PAGE  5
        SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

        .UN01.   00000
  LCTR    BLCTR
  QUAL    UN09
  LCTR   //
  FILE   UNIT01       1   0

                                                                  01/28/66                          PAGE  6

$IBMAP UN03
          UN03                                                    01/28/66                          PAGE  7
        7094 RELMOD ASSEMBLY.

               $IBLDR UN03            28 JAN 66                                             UN030000

               $FILE  UN03    'UNIT03',A(3),READY,INOUT,BLK=256,BIN                         UN030001

          UN03                                                    01/28/66                          PAGE  8
        FILE DICTIONARY.

               $FDICT UN03                                                                  UN030002

BINARY CARD ID. UN030003
          206002000400  UNIT03 FILE   'UNIT03                        BIN,INOUT,NOMCVN,BLK=256
          000000000000
          644531630003
          606060606060
          606060606060

          UN03                                                    01/28/66                          PAGE  9
        ASSEMBLED TEXT.

               $TEXT  UN03                                                                  UN030004

                                        ENTRY   .UN03.

BINARY CARD ID. UN030005
     00000  0 00000 0 04001  10010  .UN03. PZE     UNIT03
                                   UNIT03 FILE    ,A(3),READY,INOUT,BLK=256,BIN
                        00000  01111        END

          UN03                                                    01/28/66                          PAGE  10
        CONTROL DICTIONARY

               $CDICT UN03                                                                  UN030006

BINARY CARD ID. UN030007
          000001000000              PREFACE     START=0,LENGTH=1,TYPE=7094,CMPLX=5
          000004000005
          644500036060      UN03    DECK        LOC=0,LENGTH=1
          000001000000
          336445000333      .UN03.  REAL        LOC=0,LENGTH=0
          000000000000
               $DKEND UN03                                                                  UN030008

NO MESSAGES FOR THIS ASSEMBLY

          UN03                                                    01/28/66                          PAGE
        SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

        .UN03.   00000
  LCTR    BLCTR
  QUAL    UN09
  LCTR   //
  FILE   UNIT03       1   0
```

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                                                                    01/28/66                                PAGE  12

$IBMAP UN04                                                         01/28/66                                PAGE  13
        UN04
      7094 RELMOD ASSEMBLY.
                                                                                          UN040000
            $IBLDR UN04              28 JAN 66                                            UN040001
            $FILE  UN04     'UNIT04',A(4),READY,INOUT,BLK=256,BIN                                        PAG
                                                                    01/28/66
        UN04
     FILE DICTIONARY.                                                                     UN040002
            $FDICT UN04

BINARY CARD ID. UN040003                                                  BIN,INOUT,NOHCVN,BLK=256
          206002000400  UNIT04 FILE   'UNIT04
          000000000000
          644531630004
          606060606060
          606060606060
                                                                    01/28/66
        UN04
     ASSEMBLED TEXT.                                                                      UN040004
            $TEXT  UN04
                                        ENTRY   .UN04.

BINARY CARD ID. UN040005
    00000  0 00000 0 04001  10010  .UN04. PZE     UNIT04
                                   UNIT04 FILE    ,A(4),READY,INOUT,BLK=256,BIN
                     00000  01111          END
                                                                    01/28/66                                PAGE  16
        UN04
     CONTROL DICTIONARY
                                                                                          UN040006
            $CDICT UN04

BINARY CARD ID. UN040007
          000001000000              PREFACE     STARTS=0,LENGTH=1,TYPE=7094,CMPLX=5
          000004000005
          644500046060      UN04    DECK        LOC=0,LENGTH=1
          000001000000
          336445000433      .UN04.  REAL        LOC=0,LENGTH=0
          000000000000                                                                    UN040008
            $DKEND UN04

NO MESSAGES FOR THIS ASSEMBLY
        UN04                                                        01/28/66
     SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

         .UN04.   00000
  LCTR    BLCTR
  QUAL    UN03
  LCTR   //
  FILE   UNIT04      1   0
                                                                    01/28/66                                PA

$IBMAP UN08
        UN08                                                        01/28/66                                PAGE  19
      7094 RELMOD ASSEMBLY.

            $IBLDR UN08              28 JAN 66                                            UN080000
            $FILE  UN08     'UNIT08',A(8),READY,INOUT,BLK=14,BCD                          UN080001
                                                                    01/28/66                                PAGE  20
        UN08
     FILE DICTIONARY.
            $FDICT UN08                                                                   UN080002

BINARY CARD ID. UN080003
          202002000016  UNIT08 FILE   'UNIT08                          BCD,INOUT,NOHCVN,BLK=14
          000000000000
          644531630010
          606060606060
          606060606060
                                                                    01/28/66                                PAGE
        UN08
     ASSEMBLED TEXT.
            $TEXT  UN08                                                                   UN080004
                                        ENTRY   .UN08.

BINARY CARD ID. UN080005
    00000  0 00000 0 04001  10010  .UN08. PZE     UNIT08
                                   UNIT08 FILE    ,A(8),READY,INOUT,BLK=14,BCD
                     00000  01111          END
```

```
                                                                    01/28/66                                PAGE  22
          UN08
        CONTROL DICTIONARY
                                                                                                  UN080006
              $CDICT UN08

BINARY CARD ID. UN080007
            000001000000              PREFACE     START=0,LENGTH=1,TYPE=7094,CMPLX=5
            000004000005
            644500106060       UN08   DECK        LOC=0,LENGTH=1
            000001000000
            336445001033       .UN08. REAL        LOC=0,LENGTH=0
            000000000000
                                                                                                  UN080008
              $DKEND UN08

NO MESSAGES FOR THIS ASSEMBLY
                                                                    01/28/66                                PAGE  23
          UN08
        SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

        .UN08.   00000
  LCTR   BLCTR
  QUAL   UN09
  LCTR   //
  FILE   UNIT09      1   0
                                                                    01/28/66                                PAGE

$IBMAP UN09
                                                                    01/28/66                                PAGE  25
          UN09
        7094 RELMOD ASSEMBLY.

                                                                                                  UN090000
              $IBLDR UN09            28 JAN 66
                                                                                                  UN090001
              $FILE  UN09    'UNIT09',A(9),READY,INOUT,BLK=256,BIN
                                                                    01/28/66                                PAGE  26
          UN09
        FILE DICTIONARY.
                                                                                                  UN090002
              $FDICT UN09

BINARY CARD ID. UN090003
            206002000400  UNIT09 FILE   'UNIT09                    BIN,INOUT,NOHCVN,BLK=256
            000000000000
            644531630011
            606060606060
            606060606060
                                                                    01/28/66                                PAGE  2
          UN09
        ASSEMBLED TEXT.
                                                                                                  UN090004
              $TEXT  UN09
                                        ENTRY   .UN09.

BINARY CARD ID. UN090005
      00000  0 00000 0 04001  10010  .UN09. PZE     UNIT09
                                     UNIT09 FILE    ,A(9),READY,INOUT,BLK=256,BIN
                        00000  01111         END
                                                                    01/28/66                                PAG
          UN09
        CONTROL DICTIONARY
                                                                                                  UN090006
              $CDICT UN09

BINARY CARD ID. UN090007
            000001000000              PREFACE     START=0,LENGTH=1,TYPE=7094,CMPLX=5
            000004000005
            644500116060       UN09   DECK        LOC=0,LENGTH=1
            000001000000
            336445001133       .UN09. REAL        LOC=0,LENGTH=0
            000000000000
                                                                                                  UN090008
              $DKEND UN09

NO MESSAGES FOR THIS ASSEMBLY
                                                                    01/28/66                                PAGE  2
          UN09
        SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

        .UN09.   00000
  LCTR   BLCTR
  QUAL   UN09
  LCTR   //
  FILE   UNIT09      1   0

                                                                    01/28/66

$IBMAP UN10
```

```
                                                                                    01/28/66                                PAGE  31
     UN10
  7094 RELMOD ASSEMBLY.

          $IBLDR UN10              28 JAN 66                                                          UN100000
          $FILE  UN10     'UNIT10',A(7),MOUNT,INPUT,BLK=14,BCD                                        UN100001

                                                                                    01/28/66                                PAGE  32
     UN10
  FILE DICTIONARY.
                                                                                                      UN100002
          $FDICT UN10

BINARY CARD ID. UN100003
          200002000016  UNIT10 FILE   'UNIT10                          BCD,INPUT,NOHCVN,BLK=14
          000000000000
          644531630100
          606060606060
          606060606060

                                                                                    01/28/66                                PAGE  33
     UN10
  ASSEMBLED TEXT.
                                                                                                      UN100004
          $TEXT  UN10
                                        ENTRY   .UN10.

BINARY CARD ID. UN100005
     00000  4 00000 0 04001  10010  .UN10. MZE     UNIT10
                                    UNIT10 FILE    ,A(7),MOUNT,INPUT,BLK=14,BCD
                     00000  01111          END

                                                                                    01/28/66                                PAGE  34
     UN10
  CONTROL DICTIONARY
                                                                                                      UN100006
          $CDICT UN10

BINARY CARD ID. UN100007
          000001000000              PREFACE     START=0,LENGTH=1,TYPE=7094,CPPLX=5
          000004000005
          644501006060      UN10    DECK        LOC=0,LENGTH=1
          000001000000
          336445010033      .UN10.  REAL        LOC=0,LENGTH=0
          000000000000                                                                                UN100008
          $DKEND UN10

NO MESSAGES FOR THIS ASSEMBLY

                                                                                    01/28/66                                PAGE  35
     UN10
  SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

         .UN10.   00000
  LCTR    BLCTR
  QUAL    UNOS
  LCTR   //
  FILE   UNIT10      1    0

                                                                                    01/28/66                                PAGE  36

$IBMAP UN11

                                                                                    01/28/66                                PAGE  37
     UN11
  7094 RELMOD ASSEMBLY.

          $IBLDR UN11              28 JAN 66                                                          UN110000
          $FILE  UN11     'UNIT11',A(7),MOUNT,INPUT,BLK=256,BIN                                       UN110001

                                                                                    01/28/66                                PAGE  38
     UN11
  FILE DICTIONARY.
                                                                                                      UN110002
          $FDICT UN11

BINARY CARD ID. UN110003
          204002000400  UNIT11 FILE   'UNIT11                          BIN,INPUT,NOHCVN,BLK=256
          000000000000
          644531630101
          606060606060
          606060606060
```

```
          UN11                                                    01/28/66                          PAGE  39
        ASSEMBLED TEXT.

              $TEXT  UN11                                                                  UN110004

                                          ENTRY   .UN11.

BINARY CARD ID. UN110005
      00000  0 00000 0 04001  10010  .UN11. PZE     UNIT11
                                     UNIT11 FILE    ,A(7),MOUNT,INPUT,BLK=256,BIN
                       C0000  01111         END


          UN11                                                    01/28/66                          PAGE  40
        CONTROL DICTIONARY

              $CDICT UN11                                                                  UN110006

BINARY CARD ID. UN110007
            000001000000              PREFACE     START=C,LENGTH=1,TYPE=7094,CMPLX=5
            000004000005
            644501016060       UN11   DECK        LOC=0,LENGTH=1
            000001000000
            336445010133       .UN11. REAL        LOC=0,LENGTH=0
            000000000000
              $DKEND UN11                                                                  UN110008

NO MESSAGES FOR THIS ASSEMBLY


          UN11                                                    01/28/66                          PAGE  41
        SYMBOL REFERENCE DATA


REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

         .UN11.   00000
  LCTR    BLCTR
  QUAL    UNQ9
  LCTR   //
  FILE   UNIT11      1   0


                                                                  01/28/66                          PAGE  42

$IBMAP UN12


          UN12                                                    01/28/66                          PAGE  43
        7094 RELMOD ASSEMBLY.

              $IBLDR UN12            28 JAN 66                                             UN120000

              $FILE  UN12    'UNIT12',B(1),MOUNT,OUTPUT,BLK=256,BCD,BIN,LIST              UN120001


          UN12                                                    01/28/66                          PAGE  44
        FILE DICTIONARY.

              $FDICT UN12                                                                  UN120002

BINARY CARD ID. UN120003
            205002000400  UNIT12 FILE   'UNIT12                    BIN,OUTPUT,NOMCVN,BLK=256
            000000000000
            644531630102
            606060606060
            606060606060


          UN12                                                    01/28/66                          PAGE  45
        ASSEMBLED TEXT.

              $TEXT  UN12                                                                  UN120004

                                          ENTRY   .UN12.

BINARY CARD ID. UN120005
      00000  0 00000 0 04001  10010  .UN12. PZE     UNIT12
                                     UNIT12 FILE    ,B(1),MOUNT,OUTPUT,BLK=256,BCD,BIN,LIST
                       00000  01111         END


          UN12                                                    01/28/66                          PAGE  46
        CONTROL DICTIONARY

              $CDICT UN12                                                                  UN120006

BINARY CARD ID. UN120007
            000001000000              PREFACE     START=C,LENGTH=1,TYPE=7094,CMPLX=5
            000004000005
            644501026060       UN12   DECK        LOC=0,LENGTH=1
            000001000000
            336445010233       .UN12. REAL        LOC=0,LENGTH=0
            000000000000
              $DKEND UN12                                                                  UN120008

NO MESSAGES FOR THIS ASSEMBLY
```

SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

```
CLASS  SYMBOL    VALUE    REFERENCES

       .UN12.    00000
 CTR    BLCTR
 QUAL   UNCS
 LCTR   //
 FILE   UNIT12       1    0
```


$IBMAP MAIN

7094 RELMOD ASSEMBLY.

```
$IBLDR MAIN          28 JAN 66                          #MAIN0000
```


ASSEMBLED TEXT.

```
$TEXT  MAIN                                             MAIN0001

BINARY CARD ID. MAIN0002
00000  1 00600 0 00005  10001  MAIN   SAVE    (4),I
00001  0774 00 4 00000  10000
00002  0441 00 0 00004  10001
00003  0020 00 4 00001  10000
00004  0 00000 0 00000  10000
00005  0604 00 0 00004  10001
00006  0634 00 4 13000  10011
00007  0634 00 4 00110  10001
00010  0634 00 4 00001  10001
00011  000000000000     00010         CALL    RDCC(READOP,NUMIN,NAMES,ISM,KEYS)
00011  0074 00 4 07000  10011
00012  1 00005 0 01007  10011
00013  0 00110 0 00002  10100
00014  0 00000 0 00100  10001
00015  0 00000 0 00101  10001
00016  0 00000 0 00102  10001
00017  0 00000 0 00107  10001
00020  0 00000 0 00103  10001
00021  0441 00 0 00103  10001         LDI     KEYS

BINARY CARD ID. MAIN0003
00022  4056 00  000001  10000         LNT     1
00023  000000000000     00010         CALL    .FTGEN(LNOS,NUMIN)
00023  0074 00 4 12000  10011
00024  1 00002 0 01004  10011
00025  0 00110 0 00005  10100
00026  0 00000 0 00104  10001
00027  0 00000 0 00101  10001
00030  4056 00  000002  10000  CONV   LNT     2
00031  000000000000     00010         CALL    IPTCON(READOP,NUMIN,NAMES)
00031  0074 00 4 10000  10011
00032  1 00003 0 01005  10011
00033  0 00110 0 00007  10100
00034  0 00000 0 00100  10001
00035  0 00000 0 00101  10001
00036  0 00000 0 00102  10001
00037  4056 00  000004  10000  NETONE LNT     4
00040  000000000000     00010         CALL    NETAS1(NET,STINP)                    LNK00017
00040  0074 00 4 05000  10011
00041  1 00002 0 01004  10011

BINARY CARD ID. MAIN0004
00042  0 00110 0 00011  10100
00043  0 00000 0 00105  10001
00044  0 00000 0 00106  10001
00045  000000000000     00010         CALL    NETSIP(LNOS,READOP,NUMIN,NAMES,KEYS,ISM)
00045  0074 00 4 04000  10011
00046  1 00006 0 01010  10011
00047  0 00110 0 00012  10100
00050  0 00000 0 00104  10001
00051  0 00000 0 00100  10001
00052  0 00000 0 00101  10001
```


ASSEMBLED TEXT.

```
00053  0 00000 0 00102  10001
00054  0 00000 0 00103  10001
00055  0 00000 0 00107  10001
00056  4054 00  000010  10000         LFT     10
00057  0020 00 0 14000  10011         TRA     SYSDMP
00060  000000000000     00010         CALL    .FWRD.(.UN06.,DONE)
00060  0074 00 4 110 0  10011
00061  1 00002 0 01004  10011
00062  0 00110 0 00015  10100
```

```
BINARY CARD ID. MAIN0005
        00063  0 00000 0 15000   10011
        00064  0 00000 0 00071   10001
        00065  000000000000      00010          CALL    .FFIL.
        00065  0074 00 4 04000   10011
        00066  1 00000 0 01002   10011
        00067  0 00110 0 00014   10100
        00070  000000000000      00010          CALL    EXIT
        00070  0074 00 4 03000   10011
        00071  1 00000 0 01007   10011
        00072  0 00110 0 00017   10100
        00073  740467730111      10000  CONV    BCI     5,THE MAIN TEST IS DONE.
        00074  306044213145      10000
        00075  406325626360      10000
        00076  316240244665      10000
        00077  253334606040      10000
        00100  0 00000 0 00000   10000  READOP  PZE     0
        00101  0 00000 0 00000   10000  NUMIN   PZE     0
        00102  0 00000 0 00000   10000  NAMES   PZE     0
        00103  0 00000 0 00000   10000  KEYS    PZE     0

BINARY CARD ID. MAIN0006
        00104  0 00000 0 00000   10000  LNOS    PZE     0
        00105  0 00000 0 30309   10000  NET     PZE     12483                                    1M000020
        00106  0 00000 0 27051   10000  STIMP   PZE     11017
        00107  0 00000 0 00000   10000    ISM   PZE     0
        00110  000000000000      10000          *LDIR
        00111  442131456060      10000
                         00000   01111          END

                MAIN                                                    01/28/66                        PAGE  52
            CONTROL DICTIONARY

                    BCDICT MAIN                                                         MAIN0007

BINARY CARD ID. MAIN0008
                00011200000              PREFACE     START=0,LENGTH=74,TYPE=7094,CPPLE=5
                00000400005
                442131456060     MAIN    CECR        LOC=0,LENGTH=74
                00011200000
                442131456360     MAIN    REAL        LOC=0,,LENGTH=0
                00000000000
                256731636060     EXIT    VIRTUAL     SECT. 3,CALL
                20000010000C
                452563623144     NETSIM  VIRTUAL     SECT. 4,CALL
                20000010000
                452563216201     NETASI  VIRTUAL     SECT. 5,CALL
                20000010000C
                332626314337     .FFIL.  VIRTUAL     SECT. 6,CALL
                20000010000
                512423236060     RECL    VIRTUAL     SECT. 7,CALL
                20000010000
                314763234665     IPTCON  VIRTUAL     SECT. 8,CALL
                20000010000
                332666512633     .FWRD.  VIRTUAL     SECT. 9,CALL
                20000010000
                452563272545     NETGEN  VIRTUAL     SECT. 10,CALL
                20000010000

BINARY CARD ID. MAIN0009
                627062434623     SYSLOC  VIRTUAL     SECT. 11
                20000000000
                627062244447     SYSCMP  VIRTUAL     SECT. 12
                20000000000
                336445000633     .UNOG.  VIRTUAL     SECT. 13
                20000000000
                    BOXENC MAIN                                                         MAIN0010

NO MESSAGES FOR THIS ASSEMBLY


                MAIN                                                    01/28/66                        PAGE  53
            SYMBOL REFERENCE DATA


REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

         CONV     00030
         DONE     00073   64
         ISM      00107   17,55
         ..0001   00001   10
         ..0002   00003   2,5
         ..0003   00005   6
         KEYS     00103   20,21,54
         LNOS     00104   26,50
         MAIN     00000
         NAMES    00102   16,36,53
         NETDNE   00037
         NET      00105   43
         NUMIN    00101   15,27,35,52
         READOP   00100   14,34,51
  LCTR    BLCTR
  QUAL    UNOS
  LCTR   //
         STIMP    00106   44
REFERENCES TO VIRTUAL SYMBOLS.

         EXIT        3   70
         IPTCON      8   31
         .FFIL.      6   65
         .FWRD.      9   60
         .UNOG.     13   63
         NETASI      5   40
         NETGEN     10   23
         NETSIM      4   45
         RECL        7   11
         SYSDMP     12   57
         SYSLOC     11   6
```

```
$IBFTC RDCC1   M94/2,XR7
```



```
          RDCC1      -  EFN   SOURCE STATEMENT  -  IFN(S)  -

      SUBROUTINE RDCC(READOP,NUMIN,NAMES,ISM,KEYS)
      DATA CCNTL/6HCONTRL/
      INTEGER READOP,USKEYS
      DIMENSION USKEYS(36)
      READ(5,7000)CNTL,READOP,NUMIN,NAMES,ISM,(USKEYS(K),K=1,36)                1
      IF(CCNTL.NE.CNTL) GO TO 111
      IF(READOP.LT.1.O .READOP.GT.3) GO TO 111
      IF(NUMIN.GT.510.OR.NUMIN.LT.1)GO TO 111
      KEYS=0
      DO 1 I=1,36
      KEYS=2*KEYS
    1 KEYS=KEYS+USKEYS(I)
      WRITE(6,7001)READOP,NUMIN,NAMES,KEYS,ISM                                  29
    2 RETURN
  111 WRITE(6,7002)                                                             31
      STOP
 7000 FORMAT(A6,I2,I3,I4,I1,20X,36I1)
 7001 FORMAT(13HICONTROL CARD/5X,7HREADOP=,I2/5X,6HNUMIN=,I3/5X,6HNAMES=
     1,I4/5X,9HKEYS=,O12/5X,4HISM=,I1)
 7002 FORMAT(26HIRDCC CONTROL CARD - STOP.)
      END
```



```
          RDCC1                                   STORAGE  MAP

                                        SUBROUTINE  RDCC
                                             DIMENSIONED PROGRAM VARIABLES

SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE
USKEYS       00001         I

                                            UNDIMENSIONED PROGRAM VARIABLES

SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE
CNTL         00045         R            CCNTL        00046         R
                                                    ENTRY POINTS

      RDCC        SECTION     2
                                                    SUBROUTINES CALLED

      .FRDD.      SECTION     3              .FWRC.      SECTION     4              .EXIT.      SECTION     5
      .UN05.      SECTION     6              .FRTN.      SECTION     7              .FCNV.      SECTION     8
      .UN06.      SECTION     9              .FFIL.      SECTION    10              SYSLOC      SECTION    11
                                             EFN   IFN   CORRESPONDENCE

EFN         IFN         LOCATION        EFN         IFN         LOCATION        EFN         IFN         LOCATION
7000        FORMAT       00061          111          31A         00222          1           25A         00174
7001        FORMAT       00066          2            30A         00221          7002        FORMAT      00106

 THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00301.
```



```
$IBMAP BTOF    LIST,REF                                                  LNK00030
```



```
          7094 RELMOD ASSEMBLY.

                $IBLDR BTOF              28 JAN 66                                BTOF0000
```



```
          ASSEMBLED TEXT.

                $TEXT  BTOF                                                       BTOF0001

                                                ENTRY   BTOF                                                  LNK00031

BINARY CARD ID. BTLF0002
       00000  1 00000 0 00006  10001  BTOF   SAVE    (1,4)I                                                   LNK00032
       00001  0774 00 1 00000  10000
       00002  0774 00 4 00000  10000
       00003  0441 00 0 00005  10001
       00004  0020 00 4 00001  10000
       00005  0 00000 0 00000  10000
       00006  0504 00 0 00005  10001
       00007  0634 00 4 04000  10011
       00010  0634 00 4 00052  10001
       00011  0634 00 4 00002  10001
       00012  0634 00 1 00001  10001
       00013  0600 00 0 00046  10001          STZ     TEMP2                                                    LNK00033
       00014  0500 60 4 00003  10000          CLA*    3,4                                                      LNK00034
       00015  0771 00 0 00033  10000          ARS     27                                                       LNK00035
       00016  0601 00 0 00045  10001          STO     TEMP1                                                    LNK00036
       00017  0441 00 0 00045  10001          LDI     TEMP1                                                    LNK00037
       00020  0774 00 1 00010  10000          AXT     8,1                                                      LNK00038
       00021  0500 00 0 00054  10001          CLA     =0200                                                    LNK00039
       00022  0621 00 0 01001  10011  R       STA     **1                                                      LNK00040
```

```
BINARY CARD ID. BTOF0003
      00023  0054 00  000000  10000  B1      RFT     **                                          LNK00041
      00024  0020 00 0 00030  10001          TRA     B3                                          LNK00042
      00025  0771 00 0 00001  10000          ARS     1                                           LNK00043
      00026  2 00001 1 00022  10001          TIX     B,1,1                                       LNK00044
      00027  0774 00 1 00000  10000          AXT     0,1                                         LNK00045
      00030  0634 00 1 00046  10001  B3      SXA     TEMP2,1                                     LNK00046
      00031  0634 00 1 00040  10001          SXA     SHIFT,1                                     LNK00047
      00032  0500 60 4 00004  10000          CLA*    4,4
      00033  0400 00 0 00046  10001          ADD     TEMP2                                       LNK00049
      00034  0400 00 0 00055  10001          ADD     =0170                                       LNK00050
      00035  0760 00 0 00033  10000          ALS     27                                          LNK00051
      00036  0601 00 0 00045  10001          STO     TEMP1                                       LNK00052
      00037  0500 60 4 00003  10000          CLA*    3,4                                         LNK00053
      00040  0771 00 0 00000  10000  SHIFT   ARS     **                                          LNK00054
      00041  4501 00 0 00045  10001          ORA     TEMP1                                       LNK00055
      00042  0300 00 0 00056  10001          FAD     =C                                          LNK00056
      00043  0601 60 4 00005  10000          STO*    5,4                                         LNK00057
                        00044                RETURN  BTOF                                        LNK00058
      00045  200000000001     00001  TEMP1   BSS     1                                           LNK00059

BINARY CARD ID. BTOF0004
      00046  200000000002     00001  TEMP2   BSS     2                                           LNK00060
      00050  200000000001     00001  TEMP3   BSS     1                                           LNK00061
      00051  200000000001     00001  IND     BSS     1
      00052  000000000000     10000          *LDIR
      00053  226346266060     10000
      00054  000000000200     10000          *LORG
      00055  000000000170     10000
      00056  000000000000     10000
                        00000  01111         END                                                 LNK00062


                                                                01/28/66                        PAGE  60
          CONTROL DICTIONARY

                $CDICT BTOF                                                     BTOF0005

BINARY CARD ID. BTOF0006
              000057000000              PREFACE     START=0,LENGTH=47,TYPE=7094,CMPLX=5
              000004000005
              226346266060      BTOF    DECK        LOC=0,LENGTH=47
              000057000000
              226346266060      BTOF    REAL        LOC=0,LENGTH=0
              000000000000
              226346266060      BTOF    REAL        LOC=0,LENGTH=0
              000000000000
              627062434623      SYSLOC  VIRTUAL     SECT. 4
              200000000000
                $DKEND BTOF                                                     BTOF0007

NO MESSAGES FOR THIS ASSEMBLY


                                                                01/28/66                        PAGE  61
          SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

         B1       00023
         B3       00030   24
         B        00022   26
         BTOF     00000   44
         IND      00051
         ..0001   00002   11,12
         ..0002   00004   3,6
         ..0003   00006   0
  LCTR    BLCTR
  QUAL    UNQS
  LCTR   //
         SHIFT    00040   31
         TEMP1    00045   16,17,36,41
         TEMP2    00046   13,30,33
         TEMP3    00050
REFERENCES TO VIRTUAL SYMBOLS.

         SYSLOC       4   7


                                                                01/28/66                        PAGE  62

$IBLDR BPOINT
$IBMAP NETGEN  LIST,REF                                         BPOI0000


                                                                01/28/66                        PAGE  63
          7094 RELMOD ASSEMBLY.

                $IBLDR NETGEN           28 JAN 66                               NETGEN00
```

ASSEMBLED TEXT.

```
        STEXT  NETGEN                                                   NETGEN01

                                        ENTRY   NETGEN                                          LNK10001
                                QMOD    MACRO   D1,D2,D3,D4,D5,D6,D7,D8                         LNK10002
                                        CLA     D1                                              LNK10003
                                        ADD     ONE                                             LNK10004
                                        CAS     D2                                              LNK10005
                                        TRA     *+23                                            LNK10006
                                        TRA     *+1                                             LNK10007
                                        STO     D1                                              LNK10008
                                        CLA     D5                                              LNK10009
                                        ADD     ONE                                             LNK10010
                                        STO     D5                                              LNK10011
                                        CAS     D8                                              LNK10012
                                        TRA     *+3                                             LNK10013
                                        TRA     *+20                                            LNK10014
                                        TRA     *+19                                            LNK10015
                                        CLA     ONE                                             LNK10016
                                        STO     D5                                              LNK10017
                                        ADD     D4                                              LNK10018
                                        STO     D4                                              LNK10019
                                        CAS     D7                                              LNK10020
                                        TRA     *+3                                             LNK10021
                                        TRA     *+12                                            LNK10022
                                        TRA     *+11                                            LNK10023
                                        CLA     ONE                                             LNK10024
                                        STO     D4                                              LNK10025
                                        ADD     D3                                              LNK10026
                                        STO     D3                                              LNK10027
                                        TRA     *+6                                             LNK10028
                                        CLA     ONE                                             LNK10029
                                        STO     D1                                              LNK10030
                                        STO     D3                                              LNK10031
                                        STO     D4                                              LNK10032
                                        STO     D5                                              LNK10033
                                        NOP     D6                                              LNK10034
                                        ENDM    QMOD                                            LNK10035
                                *                       INPUT                                   LNK10036

BINARY CARD ID. NETGEN02
        00000  1 00000 0 00007  10001  NETGEN SAVE    (1,2,4)1                                  LNK10037
        00001  0774 00 2 00000  10000
        00002  0774 00 1 00000  10000
        00003  0774 00 4 00000  10000
        00004  0441 00 0 00006  10001
        00005  0020 00 4 00001  10000
        00006  0 00000 0 00000  10000
        00007  0604 00 0 00006  10001
        00010  0634 00 4 15000  10011
        00011  0634 00 4 10257  10001
        00012  0634 00 4 00003  10001
        00013  0634 00 1 00002  10001
        00014  0634 00 2 00001  10001
        00015  0634 00 4 00101  10001          SXA     TOP1,4
                                *                                                               LNK10038
        00016  0774 00 1 03720  10000  TOP     AXT     2000,1                                    LNK10039
```


ASSEMBLED TEXT.

```
        00017  0600 00 1 05303  10001          STZ     IN1+2000,1                                LNK10040
        00020  2 00001 1 41001  10011          TIX     *-1,1,1                                   LNK10041
                                *                                                               LNK10047
                                *       .....CALL ROUTINE TO READ IN NETWORK PARAMETERS         LNK10048
                                *                                                               LNK10049
                                                CALL    RSF11(LEVNO,DT,EPSLN,MSTEP,GSAT,COMG,X,Y,Z,RNO,PCH,  LNK10050
                                                ETC     DCH,IN1,IN2,IN3,IN4,IN5,IN6,IN7,IN8,IN9,IN10,IN11,   LNK10051
        00021  000000000000     00010          ETC     IN12,IN13,IN14)*1*                        LNK10052
        00021  0074 00 4 06000  10011

BINARY CARD ID. NETGEN03
        00022  1 00032 0 01034  10011
        00023  0 10257 0 00001  10100
        00024  0 00000 0 04240  10001
        00025  0 00000 0 04233  10001
        00026  0 00000 0 10236  10001
        00027  0 00000 0 04234  10001
        00030  0 00000 0 04236  10001
        00031  0 00000 0 04235  10001
        00032  0 00000 0 01706  10001
        00033  0 00000 0 01707  10001
        00034  0 00000 0 01710  10001
        00035  0 00000 0 04226  10001
        00036  0 00000 0 03064  10001
        00037  0 00000 0 03065  10001
        00040  0 00000 0 01363  10001
        00041  0 00000 0 01402  10001
        00042  0 00000 0 01421  10001
        00043  0 00000 0 01440  10001
        00044  0 00000 0 01457  10001
```

```
BINARY CARD ID. NETGEN04
      00045  0 00000 0 01476  10001
      00046  0 00000 0 01515  10001
      00047  0 00000 0 01534  10001
      00050  0 00000 0 01553  10001
      00051    00000 0 01572  10001
      00052  0 00000 0 01611  10001
      00053  0 00000 0 01630  10001
      00054  0 00000 0 01647  10001
      00055  0 00000 0 01666  10001
      00056  0600 00 0 00166  10001          STZ     NTSIZE
      00057  0774 00 1 00017  10000          AXT     15,1          INITIALIZE NO. OF LEVEL
      00060  0500 00 1 01457  10001  NTSZCL  CLA     IN4+15,1
      00061  0400 00 1 01476  10001          ADD     IN5+15,1
      00062  0400 00 1 01515  10001          ADD     IN6+15,1
      00063  0400 00 1 01534  10001          ADD     IN7+15,1
      00064  0400 00 0 10261  10001          ADD     =12           ADD CONTROL WORDS PER COMP.
      00065  0601 00 0 00167  10001          STD     NTSIZE+1        NUMBER OF WORDS PER COMP.
      00066  0560 00 1 01402  10001          LDQ     IN1+15,1
      00067  0200 00 1 01421  10001          MPY     IN2+15,1

BINARY CARD ID. NETGEN05
      00070  0200 00 1 01440  10001          MPY     IN3+15,1
      00071  0200 00 0 00167  10001          MPY     NTSIZE+1      MPY BY NUMBER OF WORDS PER COMP. PER LEVEL
      00072  0131 00 0 00000  10000          XCA
```



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         ASSEMBLED TEXT.

      00073  0400 00 0 00166  10001          ADD     NTSIZE        CALCULATE NUMBER OF WORDS PER LEVEL.
      00074  0601 00 0 00166  10001          STO     NTSIZE
      00075  2 00001 1 00060  10001          TIX     NTSZCL,1,1
      00076  0402 00 0 00170  10001          SUB     NETMAX        TEST NETWORK SIZE      (17517-- 12/16/64
      00077  0100 00 0 01002  10011          TZE     **2           ZERO (.K.--BUT SIGN PLUS
      00100  0120 00 0 00145  10001          TPL     OVSIZE        NETWORK GREATER THAN PERMITTED.
      00101  0774 00 4 00000  10011  TOP1    AXT     *-*,4
             1 00001 7 00001  11010
      00102  0500 00 0 04240  10001          CLA     LEVNO
      00103  0601 60 4 00003  10000          STO*    3,4
      00104  0560 00 0 01706  10001          LDQ     X                                                    LNK10053
      00105  0200 00 0 01707  10001          MPY     Y                                                    LNK10054
      00106  0200 00 0 01710  10001          MPY     Z                                                    LNK10055
      00107  4600 00 0 01705  10001          STQ     M         NUMBER OF COMPONENTS ON ZERO-TH LEVEL.     LNK10056
      00110  4600 00 0 04241  10001          STQ     MA                                                   LNK10057
      00111  0500 60 4 00004  10000          CLA*    4,4           NO. OF SENSORY INPUTS

BINARY CARD ID. NETGEN06
      00112  0402 00 0 01705  10001          SUB     M
      00113  0100 00 0 00171  10001          TZE     OK            NETWORK SIZE = NO. SENSORY INPUTS
      00114  000000000000     00010          CALL    .FWRD.(.UN06.,UNEQ)
      00114  0074 00 4 12000  10011
      00115  1 00002 0 01004  10011
      00116  0 10257 0 00117  10100
      00117  0 00000 0 16000  10011
      00120  0 00000 0 00133  10001
      00121  0500 00 0 01705  10001          CLA     M
      00122  0074 00 4 17000  10011          TSX     .FCNV.,4
      00123  0500 60 4 00004  10000          CLA*    4,4
      00124  0074 00 4 17000  10011          TSX     .FCNV.,4
      00125  000000000000     00010          CALL    .FFIL.
      00125  0074 00 4 10000  10011
      00126  1 00000 0 01002  10011
      00127  0 10257 0 00124  10100
      00130  000000000000     00010          CALL    EXIT
      00130  0074 00 4 04000  10011
      00131  1 00000 0 01002  10011

BINARY CARD ID. NETGEN07
      00132  0 10257 0 00125  10100
      00133  740630009454     10000  UNEQ   BCI     9,(6HC*****,13HNETWORK SIZE=,I4,6X,17H  SENSORY INPUTS=,
      00134  545454730103     10000
      00135  304525636646     10000
      00136  514260623171     10000
      00137  251373310473     10000
      00140  066773010730     10000
      00141  606062254562     10000
      00142  465170603145     10000
      00143  476463621373     10000
      00144  310434606060     10000          BCI     1,14)
      00145  000000000000     00010  OVSIZE CALL    .FWRD.(.UN06.,SIZE)     NETWORK TO BIG.
      00145  0074 00 4 12000  10011
      00146  1 00002 0 01004  10011
      00147  0 10257 0 00130  10100
      00150  0 00000 0 16000  10011
      00151  0 00000 0 00160  10001
```



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         ASSEMBLED TEXT.

      00152  000000000000     00010          CALL    .FFIL.
      00152  0074 00 4 10000  10011

BINARY CARD ID. NETGEN08
      00153  1 00001 0 01002  10011
      00154  0 10257 0 00131  10100
      00155  000000000000     00010          CALL    EXIT
      00155  0074 00 4 04000  10011
      00156  1 00000 0 01002  10011
      00157  0 10257 0 00132  10100
      00160  740300300145     10000  SIZE   BCI     6,(30H1NETWORK SIZE EXCEEDS NETMAX. )
      00161  256366465142     10000
      00162  606231712560     10000
      00163  256723252524     10000
      00164  626045256344     10000
      00165  316733603460     10000
      00166  200000000002     00001  NTSIZE BSS     2
      00170  000000042155     10000  NETMAX DEC     17517
      00171  0774 00 4 00017  10000  OK     AXT     15,4
      00172  0560 00 4 01402  10001  DIMEN  LDQ     IN1+15,4                                             LNK10059
      00173  0200 00 4 01421  10001         MPY     IN2+15,4                                             LNK10060
      00174  0200 00 4 01440  10001         MPY     IN3+15,4                                             LNK10061
      00175  4600 00 4 04261  10001         STQ     MA+16,4                                              LNK10062
```

```
BINARY CARD ID. NETGEN09
00176  2 00001 4 00172  10001          TIX     DIMEN,4,1                                   LNK10063
                 04240          LEVTOT EQU     LEVNO                                       LNK10064
```


ASSEMBLED TEXT.

```
                                  *     .....INITIALIZE RANDOM NO. GENERATOR                LNK10066
                                  *                                                         LNK10067
00177  0074 00 4 00471  10001  RDNIT  TSX     RDM,4                                         LNK10068
00200  0500 00 0 04225  10001         CLA     CTR1                                          LNK10069
00201  0400 00 0 10241  10001         ADD     ONE                                           LNK10070
00202  0601 00 0 04225  10001         STO     CTR1                                          LNK10071
00203  0340 00 0 04226  10001         CAS     RNO                                           LNK10072
00204  0020 00 0 01003  10011         TRA     *+3                                           LNK10073
00205  0020 00 0 01002  10011         TRA     *+2                                           LNK10074
00206  0020 00 0 00177  10001         TRA     RDNIT                                         LNK10075
```


ASSEMBLED TEXT.

```
00207  0074 00 4 00326  10001  LVLOP  TSX     NEXLEV,4        START A NEW LEVEL             LNK10077
00210  0074 00 4 01155  10001  MODLOP TSX     NEXMOD,4        START A NEW MODE              LNK10078
00211  0074 00 4 00553  10001         TSX     CONLP,4         MAKE CONNECTIONS FOR 1 MODE   LNK10079
00212  0520 00 0 01746  10001         ZET     PRST            TEST MODES AND                LNK10080
00213  0020 00 0 00225  10001         TRA     PRMARY                                        LNK10081
00214  0520 00 0 01745  10001         ZET     EXIN                                          LNK10082
00215  0020 00 0 00221  10001         TRA     PRIMEX                                        LNK10083
00216  0500 00 0 10241  10001         CLA     ONE                                           LNK10084
00217  0601 00 0 01745  10001         STO     EXIN                                          LNK10085
00220  0020 00 0 00210  10001         TRA     MODLOP                                        LNK10086

BINARY CARD ID. NETGEN10
00221  0600 00 0 01745  10001  PRIMEX STZ     EXIN                                          LNK10087
00222  0500 00 0 10241  10001         CLA     ONE                                           LNK10088
00223  0601 00 0 01746  10001         STO     PRST                                          LNK10089
00224  0020 00 0 00210  10001         TRA     MODLOP                                        LNK10090
00225  0520 00 0 01745  10001  PRMARY ZET     EXIN                                          LNK10091
00226  0020 00 0 00232  10001         TRA     CMPEND                                        LNK10092
00227  0500 00 0 10241  10001         CLA     ONE                                           LNK10093
00230  0601 00 0 01745  10001         STO     EXIN                                          LNK10094
00231  0020 00 0 00210  10001         TRA     MODLOP                                        LNK10095
00232  0600 00 0 01745  10001  CMPEND STZ     EXIN                                          LNK10096
00233  0600 00 0 01746  10001         STZ     PRST                                          LNK10097
00234  0500 00 0 01705  10001         CLA     N                                             LNK10098
00235  0402 00 0 01711  10001         SUB     N                                             LNK10099
00236  4100 00 0 00210  10001         TNZ     MODLOP                                        LNK10100
00237  0500 00 0 04240  10001         CLA     LEVTOT                                        LNK10101
00240  0402 00 0 03067  10001         SUB     LEVN                                          LNK10102
00241  4100 00 0 00207  10001         TNZ     LVLOP                                         LNK10103
00242  000000000090    00010         CALL    PUTREC(MUNCOM,COMNUM,LEVELN)'2'               LNK10104
00242  0074 00 4 07000  10011

BINARY CARD ID. NETGEN11
00243  1 00003 0 01005  10011
00244  0 10257 0 00002  10100
00245  0 00000 0 04277  10001
00246  0 00000 0 04265  10001
00247  0 00000 0 04300  10001
00250  0500 00 0 10262  10001         CLA     =3              LAST PASS OF GENXY            LNK10105
00251  0601 00 0 10255  10001         STO     IPASS                                         LNK10106
                                      CALL    GENXY(PRLEV,IN,LEVN,N,MA,COMNUM,IPASS,K,Y,E,IN1,IN2,  LNK10107
00252  000000000000    00010         ETC     IN3,LEVNO)                                    LNK10108
00252  0074 00 4 14000  10011
00253  1 00016 0 01020  10011
00254  0 10257 0 00217  10100
00255  0 00000 0 03070  10001
00256  0 00000 0 01721  10001
00257  0 00000 0 03067  10001
00260  0 00000 0 01711  10001
00261  0 00000 0 04241  10001
00262  0 00000 0 04265  10001
00263  0 00000 0 10255  10001
00264  0 00000 0 01706  10001

BINARY CARD ID. NETGEN12
```


ASSEMBLED TEXT.

```
00265  0 00000 0 01707  10001
00266  0 00000 0 01710  10001
00267  0 00000 0 01363  10001
00270  0 00000 0 01402  10001
00271  0 00000 0 01421  10001
00272  0 00000 0 04240  10001
00273  000000000000    00010         CALL    .FWRD.(.UN08.,FMT)  999 SIGNALS END OF CONNECTION RECORDSLNK10109
00273  0074 00 4 12000  10011
00274  1 00002 0 01004  10011
00275  0 10257 0 00271  10100
00276  0 00000 0 20000  10011
00277  0 00000 0 00317  10001
00300  000000000000    00010         CALL    .FFIL.                                        LNK10110
00300  0074 00 4 13000  10011
00301  1 00000 0 01002  10011
00302  0 10257 0 00222  10100
00303  000000000000    00010         CALL    .FRWT.(.UN08.)                                LNK10111
00303  0074 00 4 11000  10011
00304  1 00001 0 01003  10011
```

```
BINARY CARD ID. NETGEN13
      00305  C 10257 0 00223  10100
      00306  0 00000 0 20000  10011
      00307  000000000000     00010          CALL    .FPRN.(FM1)                                    LNK10112
      00307  0074 00 4 05000  10011
      00310  1 00001 0 01003  10011
      00311  C 10257 0 00224  10100
      00312  0 00000 0 00321  10001
      00313  000000000000     00010          CALL    .FFIL.                                         LNK10113
      00313  0074 00 4 10000  10011
      00314  1 00000 0 01002  10011
      00315  0 10257 0 00225  10100
                                     *                                                               LNK10114
                                     *                                                               LNK10115
                        00316        FINISH RETURN  NETGEN                                          LNK10116
      00317  740430601111     10000  FM1    BCI     2,(4H 999,BCX)                                  LNK10117
      00320  117310006734     10000
      00321  740202300154     10000  FM2    BCI     5,(22H1***NETWORK GENERATED. )                  LNK10118
      00322  545445255366     10000
      00323  465142602725     10000
      00324  452551216325     10000
      00325  243360346060     10000

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                                     *      NEXLEV  SET UP PARAMETERS FOR                           LNK10120
                                     *              NEXT LEVEL CONNECTIONS                          LNK10121

BINARY CARD ID. NETGEN14
      00326  0634 00 4 00420  10001  NEXLEV SXA     XNXLEV,4                                        LNK10122
      00327  0500 00 0 03067  10001         CLA     LEVN                                            LNK10123
      00330  0400 00 0 10241  10001         ADD     ONE                                             LNK10124
      00331  0601 00 0 03067  10001         STO     LEVN                                            LNK10125
      00332  0774 00 1 00004  10000         AXT     4,1                                             LNK10126
      00333  0500 00 1 01711  10001         CLA     M44,1           ADJUST LEVEL INFO               LNK10127
      00334  0601 00 1 01721  10001         STO     IM+4,1                                          LNK10128
      00335  2 00001 1 41002  10011         TIX     *-2,1,1                                         LNK10129
      00336  0500 00 0 01715  10001         CLA     IM                                              LNK10130
      00337  0601 00 0 01721  10001         STO     IN                                              LNK10131
      00340  0535 00 1 03067  10001         LAC     LEVN,1                                          LNK10132
      00341  1 00001 1 01001  10011         TXI     **1,1,1                                         LNK10133
      00342  0500 00 1 01363  10001         CLA     IN1,1           UNSTACK LEVEL INFO              LNK10134
      00343  0601 00 0 01706  10001         STO     X                                               LNK10135
      00344  0500 00 1 01402  10001         CLA     IN2,1                                           LNK10136
      00345  0601 00 0 01707  10001         STO     Y                                               LNK10137
      00346  0500 00 1 01421  10001         CLA     IN3,1                                           LNK10138
      00347  0601 00 0 01710  10001         STO     Z                                               LNK10139
      00350  0131 00 0 00000  10000         XCA                     CALCULATE NO. OF COMPS          LNK10140

BINARY CARD ID. NETGEN15
      00351  0200 00 0 01707  10001         MPY     Y                                               LNK10141
      00352  0200 00 0 01706  10001         MPY     X                                               LNK10142
      00353  0131 00 0 00000  10000         XCA                                                     LNK10143
      00354  0601 00 0 01705  10001         STO     M                                               LNK10144
      00355  0601 00 0 01711  10001         STO     N                                               LNK10145
      00356  0500 00 1 01440  10001         CLA     IN4,1                                           LNK10146
      00357  0601 00 0 03047  10001         STO     SX                                              LNK10147
      00360  0500 00 1 01457  10001         CLA     IN5,1                                           LNK10148
      00361  0601 00 0 03050  10001         STO     SI                                              LNK10149
      00362  0500 00 1 01476  10001         CLA     IN6,1                                           LNK10150
      00363  0601 00 0 03051  10001         STO     PX                                              LNK10151
      00364  0500 00 1 01515  10001         CLA     IN7,1                                           LNK10152
      00365  0601 00 0 03052  10001         STO     PI                                              LNK10153
      00366  0500 00 1 01534  10001         CLA     IN8,1                                           LNK10154
      00367  0601 00 0 03053  10001         STO     GSX                                             LNK10155
      00370  0500 00 1 01553  10001         CLA     IN9,1                                           LNK10156
      00371  0601 00 0 03054  10001         STO     GSI                                             LNK10157
      00372  0500 00 1 01572  10001         CLA     IN10,1                                          LNK10158
      00373  0601 00 0 03055  10001         STO     GPX                                             LNK10159

BINARY CARD ID. NETGEN16
      00374  0500 00 1 01611  10001         CLA     IN11,1                                          LNK10160
      00375  0601 00 0 03056  10001         STO     GPI                                             LNK10161
      00376  0500 00 1 01630  10001         CLA     IN12,1                                          LNK10162
      00377  0601 00 0 03057  10001         STO     SCTYP                                           LNK10163
      00400  0500 00 1 01647  10001         CLA     IN13,1                                          LNK10164
      00401  0601 00 0 03060  10001         STO     PCTYP                                           LNK10165
      00402  0500 00 1 01666  10001         CLA     IN14,1                                          LNK10166
      00403  0601 00 0 03061  10001         STO     SLFCGN                                          LNK10167
                                     *                                                               LNK10168

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      00404  0774 00 1 00005  10000         AXT     5,1                                             LNK10169
      00405  0500 00 1 01712  10001         CLA     M45,1                                           LNK10170
      00406  0601 00 1 01732  10001         STO     SM+5,1          INITIATE SAVE LOCATIONS         LNK10171
      00407  2 00001 1 41002  10011         TIX     *-2,1,1                                         LNK10172
      00410  0774 00 1 00003  10000         AXT     3,1                                             LNK10173
      00411  0500 00 1 01711  10001  FLEV   CLA     X+3,1           FLAOT DIMENSIONALITY            LNK10174
      00412  0074 00 4 00717  10001         TSX     FLTNT,4                                         LNK10175
      00413  0601 00 1 01755  10001         STO     FX+3,1                                          LNK10176
      00414  0500 00 1 01721  10001         CLA     IX+3,1                                          LNK10177
      00415  0074 00 4 00717  10001         TSX     FLTNT,4                                         LNK10178
      00416  0601 00 1 01760  10001         STO     FLX+3,1                                         LNK10179

BINARY CARD ID. NETGEN17
      00417  2 00001 1 00411  10001         TIX     FLEV,1,1                                        LNK10180
      00420  0774 00 4 00000  10011  XNXLEV AXT     *-*,4                                           LNK10181
             1 00001 7 00001  11010
      00421  0020 00 4 00001  10000         TRA     1,4                                             LNK10182
                                     *                                                               LNK10183
                                     *                                                               LNK10184
```

ASSEMBLED TEXT.

```
                                          *      SQUARE ROOT ----  FLOATING POINT                                  LNK10186
00422  0100 00 4 00002  10000  SQRT   TZT    2,4                 THIS ROUTINE TAKES                                LNK10187
00423  4120 00 4 00001  10000          TMI    1,4                 THE FLOATING PT.                                  LNK10188
00424  4320 00 0 00463  10001          ANA    SQRT+33             NUMBER IN THE ACCUMULATOR.                        LNK10189
00425  0601 00 0 00467  10001          STO    SC                  FINDS THE SQUARE ROOT                             LNK10190
00426  4320 00 0 00464  10001          ANA    SQRT+34             AND LEAVES IT IN THE                              LNK10191
00427  0771 00 0 00001  10000          ARS    1                   ACCUMULATOR                                       LNK10192
00430  0400 00 0 00467  10001          ADD    SC                                                                    LNK10193
00431  0771 00 0 00001  10000          ARS    1                                                                     LNK10194
00432  0601 00 0 00470  10001          STO    SC+1                                                                  LNK10195
00433  0767 00 0 00012  10000          ALS    10                                                                    LNK10196
00434  4760 00 0 00001  10000          PRT                                                                          LNK10197
00435  0760 00 0 00006  10000          COM                                                                          LNK10198
00436  0771 00 0 00015  10000          ARS    13                                                                    LNK10199
00437  4320 00 0 00465  10001          ANA    SQRT+35                                                               LNK10200
00440  0400 00 0 00470  10001          ADD    SC+1                                                                  LNK10201

BINARY CARD ID. NETGEN18
00441  0400 00 0 00466  10001          ADD    SQRT+36                                                               LNK10202
00442  0601 00 0 00470  10001          STO    SC+1                                                                  LNK10203
00443  0500 00 0 00467  10001          CLA    SC                                                                    LNK10204
00444  0241 00 0 00470  10001          FDP    SC+1                                                                  LNK10205
00445  0500 00 0 00470  10001          CLA    SC+1                                                                  LNK10206
00446  4600 00 0 00470  10001          STQ    SC+1                                                                  LNK10207
00447  0400 00 0 00470  10001          ADD    SC+1                                                                  LNK10208
00450  0765 00 0 00001  10000          LRS    1                                                                     LNK10209
00451  0760 00 0 00010  10000          RAD                                                                          LNK10210
00452  0601 00 0 00470  10001          STO    SC+1                                                                  LNK10211
00453  0500 00 0 00467  10001          CLA    SC                                                                    LNK10212
00454  0241 00 0 00470  10001          FDP    SC+1                                                                  LNK10213
00455  0500 00 0 00470  10001          CLA    SC+1                                                                  LNK10214
00456  4600 00 0 00470  10001          STQ    SC+1                                                                  LNK10215
00457  0400 00 0 00470  10001          ADD    SC+1                                                                  LNK10216
00460  0765 00 0 00001  10000          LRS    1                                                                     LNK10217
00461  0760 00 0 00010  10000          RAD                                                                          LNK10218
00462  0140 00 4 00002  10000          TOV    2,4                                                                   LNK10219
00463  77777 777776     10000          OCT    777777777776                                                          LNK10220

BINARY CARD ID. NETGEN19
00464  001000000000     10000          OCT    001000000000                                                          LNK10221
00465  000017777777     10000          OCT    000017777777                                                          LNK10222
00466  100360000001     10000          OCT    100360000001                                                          LNK10223
00467  200000000007     00001       SQ RSS    7                                                                     LNK10224
                                          *                                                                          LNK10225
```


ASSEMBLED TEXT.

```
00 71  0634 00 4 00502  10001  RDM    SXA    XRDM,4              RANDOM NO. GENERATOR                              LNK10227
                                          *                                                                          LNK10228
00472  0500 00 0 00504  10001          CLA    RDM1                                                                  LNK10229
00473  0767 00 0 00007  10000          ALS    7                                                                     LNK10230
00474  0400 00 0 00504  10001          ADD    RDM1                                                                  LNK10231
00475  0400 00 0 00505  10001          ADD    RDM2                                                                  LNK10232
00476  0601 00 0 00504  10001          STO    RDM1                                                                  LNK10233
00477  0500 00 0 00504  10001          CLA    RDM1                                                                  LNK10234
00500  0771 00 0 00010  10000          ARS    8                                                                     LNK10235
00501  0400 00 0 00506  10001          ADD    RDM3                                                                  LNK10236
00502  0774 00 4 00000  10011    XRDM  AXT    *-*,4                                                                 LNK10237
       1 00001 7 00001  11010
00503  0020 00 4 00001  10000          TRA    1,4                                                                   LNK10238
00504  200000000000     10000    RDM1 OCT    200000000000                                                          LNK10239
00505  311715164025     10000    RDM2 OCT    311715164025                                                          LNK10240
00506  200000000000     10000    RDM3 OCT    200000000000                                                          LNK10241

BINARY CARD ID. NETGEN20
00507  000000000000     00010  ERDCH  CALL   .FPRN.(DISERR)                                                         LNK10242
00507  0074 00 4 05000  10011
00510  1 00001 0 01003  10011
00511  0 10257 0 00440  10100
00512  0 00000 0 00517  10001
00513  000000000000     00010          CALL   .FFIL.                                                               LNK10243
00513  0074 00 4 10000  10011
00514  1 00000 0 01002  10011
00515  0 10257 0 00441  10100
00516  0000 00 0 01000  10011          HTR    *                                                                    LNK10244
00517  746005103001     10000  DISERR BCI    9,( 48HDISTANCE FUNCTION NOT IN CORE. CANNOT CONTINUE.) LNK10245
00520  243162632145     10000
00521  232560266445     10000
00522  236331464560     10000
00523  454663603145     10000
00524  602346512533     10000
00525  602321454546     10000
00526  636023464563     10000
00527  314564253334     10000

BINARY CARD ID. NETGEN21
00530  0000 00 0 01000  10011  AFTER HTR    *                          ERROR HALT                                  LNK10246
00531  000000000000     00010  PERR   CALL   .FPRN.(ERPRCB)                                                         LNK10247
00531  0074 00 4 05000  10011
00532  1 00001 0 01003  10011
00533  0 10257 0 00445  10100
00534  0 00000 0 00541  10001
00535  000000000000     00010          CALL   .FFIL.                                                               LNK10248
00535  0074 00 4 10000  10011
00536  1 00000 0 01002  10011
00537  0 10257 0 00446  10100
00540  0000 00 0 01000  10011          HTR    *                                                                    LNK10249
00541  746005013001     10000  ERPRCB BCI    9,( 51HPROBABILITY FUNCTION NOT IN CORE. CANNOT CONTINUELNK10250
00542  475146222122     10000
00543  314331637060     10000
00544  266445236331     10000
00545  466560454663     10000
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ASSEMBLED TEXT.

00546  603145602346      10000
00547  512533602321      10000
00550  454546636023      10000

BINARY CARD ID. NETGEN22
00551  464563314564      10000
00552  336161616034      10000          BCI     1,.///  )                                          LNK10251
                                   *     CONLP-  COMPUTATIONS,DECISIONS,AND                         LNK10252
                                   *             CONNECTIONS MADE FOR ONE MODE                      LNK10253
00553  0634 00 4 00704   10001   CONLP SXA     XCONLP,4                                             LNK10254
                                   *QMOD HERE INCREASES THE INITIAL COMPONENT AND ITS               LNK10255
                                   *NUMBER TRIPLE BY ONE                                            LNK10256
                     00554                     QMOD    IN,IM,IA,IB,IC,IX,IY,IZ                      LNK10257

BINARY CARD ID. NETGEN23
00614  4520 00 0 03046    0001          NZT     CNO                ANY CONNECTIONS THIS MOD         LNK10258
00615  0020 00 0 00704   10001          TRA     XCONLP             NO-GO TO NEXT MODE               LNK10259
00616  0535 00 1 01721   10001          LAC     IN,1               TEST IF THIS CONNECTION          LNK10260

BINARY CARD ID. NETGEN24
00617  0520 00 1 01775   10001          ZET     TABLE,1            IS ALLOWABLE                     LNK10261
00620  0020 00 0 00626   10001          TRA     NOGO               NO-FORGET IT                     LNK10262
00621  0074 00 4 00734   10001          TSX     DSTNCE,4           YES-COMPUTE DISTANCE             LNK10263
00622  0074 00 4 00747   10001          TSX     PRBLTY,4           COMPUTE PROBABILITY              LNK10264
00623  0074 00 4 01074   10001          TSX     DECIDE,4           MAKE DECISSION TO CONNECT        LNK10265
00624  4520 00 0 03066   10001          NZT     DCSN               TEST DECISION                    LNK10266
00625  0020 00 0 00635   10001          TRA     OKCON              YES-CONNECT                      LNK10267
00626  0500 00 0 03071   10001   NOGO   CLA     LPCTR              NO-DONT CONNECT                  LNK10268
00627  0400 00 0 10241   10001          ADD     ONE                ADD ONE TO FAILURES              LNK10269
00630  0601 00 0 03071   10001          STO     LPCTR                                               LNK10270
00631  0340 00 0 10256   10001          CAS     MAXLP              IF 100,000 SUCCESSIVE FAILURES,  LNK10271
00632  0020 00 0 00675   10001          TRA     GETOUT             GIVE IT UP                       LNK10272
00633  0020 00 0 00675   10001          TRA     GETOUT                                              LNK10273
00634  0020 00 0 00554   10001          TRA     CONLP+1            IF NOT, TRY AGAIN                LNK10274
                                   OKCON  CALL    CONECT(A,B,CPLS,CMIS,CPLI,CMINI,SXPLSI,PXPLPI,NUMCOM,  LNK10275
                                          ETC     COMNUM,LEVELN,CCTR,PRST,PRLEV,LEVN,N,IPASS,MA,LEVND,   LNK10276
00635  000000000000      00010          ETC     NEWCOM,EXIN,IN)                                     LNK10277
00635  0074 00 4 13000   10011
00636  1 00026 0 01030   10011
00637  0 10257 0 00542   10100
00640  0 00000 0 01712   10001

BINARY CARD ID. NETGEN25
00641  0 00000 0 01713   10001
00642  0 00000 0 04261   10001
00643  0 00000 0 04262   10001
00644  0 00000 0 04263   10001
00645  0 00000 0 04264   10001
00646  0 00000 0 04312   10001
00647  0 00000 0 04313   10001
00650  0 00000 0 04277   10001
00651  0 00000 0 04265   10001
00652  0 00000 0 04300   10001
00653  0 00000 0 03045   10001
00654  0 00000 0 01746   10001
00655  0 00000 0 03070   10001

                                                   01/28/66
ASSEMBLED TEXT.

00656  0 00000 0 03067   10001
00657  0 00000 0 01711   10001
00660  0 00000 0 10255   10001
00661  0 00000 0 04241   10001
00662  0 00000 0 04240   10001
00663  0 00000 0 10234   10001

BINARY CARD ID. NETGEN26
00664  0 00000 0 01745   10001
00665  0 00000 0 01721   10001
00666  0074 00 4 01117   10001          TSX     ENTBLE,4           ALTER CONNECTION TABLE           LNK10278
00667  0600 00 0 03071   10001          STZ     LPCTR              ZERO FAILURE COUNTER             LNK10279
00670  0500 00 0 03045   10001          CLA     CCTR               TEST FOR ANY MORE CONNECTIONS    LNK10280
00671  0340 00 0 03046   10001          CAS     CNO                THIS MODE                        LNK10281
00672  0020 00 0 00704   10001          TRA     XCONLP             NO-EXIT                          LNK10282
00673  0020 00 0 00704   10001          TRA     XCONLP                                              LNK10283
00674  0020 00 0 00554   10001          TRA     CONLP+1            YES-TRY FOR NEXT CONNECTION      LNK10284
00675  000000000000      00010   GETOUT CALL    .FPRN.(NODICE)                                      LNK10285
00675  0074 00 4 05000   10011
00676  1 00001 0 01003   10011
00677  0 10257 0 00554   10100
00700  0 00000 0 00706   10001
00701  000000000000      00010          CALL    .FFIL.                                              LNK10286
00701  0074 00 4 10000   10011
00702  1 00000 0 01002   10011
00703  0 10257 0 00555   10100
00704  0774 00 4 00000   10011   XCONLP AXT     *-*,4                                               LNK10287

BINARY CARD ID. NETGEN27
         1 00001 7 00001 11010
00705  0020 00 4 00001   10000          TRA     1,4                                                 LNK10288
00706  746004073001      10000   NODICE BCI     9,( 47H1100,000 ATTEMPTS FAIL TO PRODUCE A CONNECTION.)  LNK10289
00707  010000730000      10000
00710  006021636325      10000
00711  444763626026      10000
00712  213143606346      10000
00713  604751462464      10000
00714  232560216023      10000
00715  464545252363      10000
00716  314645333460      10000
```

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                                  *      FLTNT   FIXED POINT INTEGER TO                              LNK10291
                                  *              NORMALIZED FLOATING PT.                             LNK10292
        00717  0634 00 2 00731  10001   FLTNT SXA     FLOAT+3,2                                      LNK10293
        00720  0560 00 0 10241  10001         LDQ     ONE                                            LNK10294
        00721  0774 00 2 00000  10000         AXT     0,2                                            LNK10295
        00722  0100 00 0 00731  10001         TZE     FLOAT+3                                        LNK10296
        00723  4765 00 0 00001  10000         LGR     1                                              LNK10297
        00724  1 00001 2 01001  10011         TXI     *+1,2,1                                        LNK10298
        00725  4100 00 0 41002  10011         TNZ     *-2                                            LNK10299
        00726  0754 00 2 00000  10000   FLOAT PXA     0,2                                            LNK10300

BINARY CARD ID. NETGEN28
        00727  0400 00 0 00733  10001         ADD     CHTSTC                                         LNK10301
        00730  4763 00 0 00033  10000         LGL     27                                             LNK10302
        00731  0774 00 2 00000  10011         AXT     **,2                                           LNK10303
               1 00001 7 00001  11010
        00732  0020 00 4 00001  10000         TRA     1,4                                            LNK10304
        00733  000000000200     10000  CHTSTC DEC     128                                            LNK10305
                                  *                                                                  LNK10306
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        00734  0634 00 4 00745  10001  DSTNCE SXA     ENDIS,4                                        LNK10308
        00735  0500 00 0 03065  10001         CLA     DCH                                            LNK10309
        00736  0340 00 0 10240  10001         CAS     ZERO                                           LNK10310
        00737  0020 00 0 01003  10011         TRA     *+3                                            LNK10311
        00740  0020 00 0 00507  10001         TRA     ERDCH                                          LNK10312
        00741  0020 00 0 00507  10001         TRA     ERDCH                                          LNK10313
        00742  0402 00 0 10241  10001         SUB     ONE                                            LNK10314
        00743  0100 00 0 00771  10001         TZE     DIS1                                           LNK10315
                                  *  PLACE TRANSFER TO OTHER DISTANCE FUNCTIONS HERE AS FOLLOWS       LNK10316
                                  *           SUB     ONE                                            LNK10317
                                  *           TZE     DIS2                                           LNK10318
                                  *  THEN CALL DISTANCE FUNCTION DESIRED BY NUMBER ON INPUT CARD      LNK10319
        00744  0020 00 0 00507  10001         TRA     ERDCH                                          LNK10320
        00745  0774 00 4 00000  10011  ENDIS  AXT     **,4              EXIT                         LNK10321
               1 00001 7 00001  11010
        00746  0020 00 4 00001  10000         TRA     1,4                                            LNK10322
                                  *                                                                  LNK10323
                                  *LINKAGE ROUTINE FOR PROBABILITY FUNCTIONS                         LNK10324
        00747  0634 00 4 00767  10001  PRBLTY SXA     XPRBLY,4                                       LNK10325

BINARY CARD ID. NETGEN29
        00750  0500 00 0 03064  10001         CLA     PCH                                            LNK10326
        00751  0340 00 0 10240  10001         CAS     ZERO                                           LNK10327
        00752  0020 00 0 01003  10011         TRA     *+3                                            LNK10328
        00753  0020 00 0 00531  10001         TRA     PERR                                           LNK10329
        00754  0020 00 0 00531  10001         TRA     PERR                                           LNK10330
        00755  0402 00 0 10241  10001         SUB     ONE                                            LNK10331
        00756  0100 00 0 01021  10001         TZE     PROB1                                          LNK10332
        00757  0402 00 0 10241  10001         SUB     ONE                                            LNK10333
        00760  0100 00 0 01021  10001         TZE     PROB2                                          LNK10334
        00761  0402 00 0 10241  10001         SUB     ONE                                            LNK10335
        00762  0100 00 0 01021  10001         TZE     PROB3                                          LNK10336
        00763  0402 00 0 10241  10001         SUB     ONE                                            LNK10337
        00764  0100 00 0 01021  10001         TZE     PROB4                                          LNK10338
        00765  0402 00 0 10241  10001         SUB     ONE                                            LNK10339
        00766  0100 00 0 01067  10001         TZE     PROB5                                          LNK10340
                                  * PLACE TRANSFER TO OTHER PROB. FUNCTIONS HERE AS FOLLOWS          LNK10341
                                  *           SUB     ONE                                            LNK10342
                                  *           TZE     PROB6                                          LNK10343
                                  * THEN CALL PROB. FUNCTION DESIRED BY NUMBER ON INPUT CARD         LNK10344
        00767  0774 00 4 00000  10011  XPRBLY AXT     **,4                                           LNK10345
               1 00001 7 00001  11010
        00770  0020 00 4 00001  10000         TRA     1,4               EXIT                         LNK10346
                                  *                                                                  LNK10347
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                                  *      DISF    COMPUTE DISTANCE                                    LNK10349
                                  *                                                                  LNK10350
        00771  0774 00 2 00003  10000    DIS1 AXT     3,2                                            LNK10351
                         00771           DISF EQU     DIS1                                           LNK10352

BINARY CARD ID. NETGEN30
        00772  4520 00 0 01746  10001         NZT     PRST              TEST MODE                    LNK10353
        00773  0020 00 0 01002  10001         TRA     DISTAT            STATE                        LNK10354
        00774  0500 00 2 01725  10001         CLA     IA+3,2            PRIMARY                      LNK10355
        00775  0074 00 4 00717  10001         TSX     FLTNT,4           FLOAT THE INTEGER COMPONENT PART  LNK10356
        00776  0500 00 2 01755  10001         CLA     FX+3,2            GET FLOATING DIMENSIONALITY  LNK10357
        00777  0241 00 2 01760  10001         FDP     FLX+3,2           DIVIDE                       LNK10358
        01000  0260 00 0 01763  10001         FMP     TEMP              MULTIPLY BY COMPONENT PART   LNK10359
        01001  0020 00 0 01003  10011         TRA     *+3                                            LNK10360
        01002  0500 00 2 01725  10001  DISTAT CLA     IA+3,2            STATE                        LNK10361
        01003  0074 00 4 00717  10001         TSX     FLTNT,4                                        LNK10362
        01004  0302 00 2 01763  10001         FSB     FA+3,2            SUBTRACT TERMINAL COMPONENT PART  LNK10363
        01005  0601 00 0 01763  10001         STO     TEMP                                           LNK10364
        01006  0131 00 0 00000  10000         XCA                                                    LNK10365
        01007  0260 00 0 01763  10001         FMP     TEMP              SQUARE IT                    LNK10366
        01010  0601 00 2 01775  10001         STO     TEMP+10,2                                      LNK10367
        01011  2 00001 2 00773  10001         TIX     DISF+2,2,1                                     LNK10368
        01012  0500 00 0 01772  10001         CLA     TEMP+7            ADD THREE PARTS              LNK10369
        01013  0300 00 0 01773  10001         FAD     TEMP+8                                         LNK10370
        01014  0300 00 0 01774  10001         FAD     TEMP+9                                         LNK10371

BINARY CARD ID. NETGEN31
        01015  0074 00 4 00422  10001         TSX     .QRT,4            TAKE SQUARE ROOT             LNK10372
        01016  0000 00 0 01000  10011         HTR     *                      SHOULD NEVER HAPPEN     LNK10373
        01017  0601 00 0 04237  10001         STO     D                 STORE DISTANCE               LNK10374
        01020  0020 00 0 00745  10001         TRA     ENDIS                                          LNK10375
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ASSEMBLED TEXT.

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                                    *       PROBF   COMPUTE PROBABILITY                                     LNK10377
                                    *                                                                       LNK10378
01021  0500 00 0 04237  10001       PROB1   CLA     0                   PROB1 THRU PROB4 ALL                LNK10379
                        01021       PROB2   EQU     PROB1               COMPUTED IN SAME SUBROUTINE         LNK10380
                        01021        PROB3  EQU     PROB1                                                   LNK10381
                        01021       PROB4   EQU     PROB1                                                   LNK10382
01022  0340 00 0 01073  10001        PROBF  CAS     FONE                                                    LNK10383
01023  0020 00 0 01005  10011              TRA     *+5                 DISTANCE GREATER THAN 1             LNK10384
01024  0761 00 0 00000  10000              NOP                         =1                                  LNK10385
01025  0500 00 0 01073  10001              CLA     FONE                LESS THAN 1                         LNK10386
01026  0601 00 0 03112  10001              STO     P                   PROBABILITY = 1                     LNK10387
01027  0020 00 0 01042  10001              TRA     PEXIN                                                   LNK10388
01030  0601 00 0 01763  10001              STO     TEMP                GREATER THAN ONE                    LNK10389
01031  0500 00 0 03064  10001              CLA     PCH                 TEST PCH                            LNK10390
01032  0402 00 0 10241  10001              SUB     ONE                                                     LNK10391
01033  0100 00 0 01004  10011              TZE     *+4                 PCH=1                               LNK10392
01034  0560 00 0 01763  10001              LDQ     TEMP                PCH GREATER THAN ONE                LNK10393
01035  0260 00 0 01763  10001              FMP     TEMP                SQUARE DISTANCE                     LNK10394
01036  0601 00 0 01763  10001              STO     TEMP                                                    LNK10395
01037  0500 00 0 01073  10001              CLA     FONE                                                    LNK10396

BINARY CARD ID. NETGEN32
01040  0241 00 0 01763  10001              FDP     TEMP                1/D**2                              LNK10397
01041  4600 00 0 03112  10001              STQ     P                   TEST                                LNK10398
01042  4520 00 0 01745  10001       PEXIN  NZT     EXIN                EXCIT-INHIB                         LNK10399
01043  0020 00 0 01054  10001              TRA     XPROB               EXCITATORY                          LNK10400
01044  0500 00 0 03064  10001              CLA     PCH                 INHIBITORY                          LNK10401
01045  0402 00 0 10243  10001              SUB     THREE               TEST FOR PROB 2,3 OR 4              LNK10402
01046  0100 00 0 01055  10001              TZE     DOP3                PROB 3                              LNK10403
01047  0120 00 0 00767  10001              TPL     XPRBLY              PROB 4                              LNK10404
01050  0500 00 0 01073  10001              CLA     FONE                PROB 2                              LNK10405
01051  0302 00 0 03112  10001              FSB     P                   P=1-PX                              LNK10406
01052  0302 00 0 03112  10001              FSB     P                                                       LNK10407
01053  0601 00 0 03112  10001              STO     P                                                       LNK10408
01054  0020 00 0 00767  10001        XPROB TRA     XPRBLY                                                  LNK10409
01055  0500 00 0 01072  10001       DOP3   CLA     APRAM               APRAM=.5                            LNK10410
01056  0300 00 0 03112  10001              FAD     P                                                       LNK10411
01057  0601 00 0 01763  10001              STO     TEMP                                                    LNK10412
01060  0500 00 0 01073  10001              CLA     FONE                                                    LNK10413
01061  0302 00 0 03112  10001              FSB     P                                                       LNK10414
01062  0131 00 0 00000  10000              XCA                                                             LNK10415

BINARY CARD ID. NETGEN33
01063  0260 00 0 01072  10001              FMP     APRAM                                                   LNK10416
01064  0240 00 0 01763  10001              FDH     TEMP                                                    LNK10417
01065  4600 00 0 03112  10001              STQ     P                   P=.5(1-PX)/(.5+PX)                  LNK10418
01066  0020 00 0 00767  10001              TRA     XPRBLY                                                  LNK10419
01067  0500 00 0 01072  10001       PROB5  CLA     APRAM                       PROB5                       LNK10420
01070  0601 00 0 03112  10001              STO     P                          P=.5                         LNK10421
01071  0020 00 0 00767  10001              TRA     XPRBLY                                                  LNK10422
01072  200400000000     10000       APRAM DEC     .5                                                      LNK10423
01073  201400000000     10000       FONE  OCT     201400000000                                            LNK10424
                                    *       DECIDE  TO CONNECT                                              LNK10425
                                    *               OR NOT TO CONNECT                                       LNK10426
01074  0634 00 4 01115  10001       DECIDE SXA     XDECID,4                                                LNK10427
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ASSEMBLED TEXT.

```
01075  0074 00 4 00471  10001              TSX     RDM,4               GET A RANDOM NUMBER                 LNK10428
01076  0601 00 0 01763  10001              STO     TEMP                                                    LNK10429
01077  0754 00 0 00000  10000              PXA     0,0                                                     LNK10430
01100  0300 00 0 01763  10001              FAD     TEMP                                                    LNK10431
01101  0340 00 0 03112  10001              CAS     P                   COMPARE TO PROBABILITY              LNK10432
01102  0020 00 0 01003  10011              TRA     *+3                                                     LNK10433
01103  0020 00 0 01002  10011              TRA     *+2                 EQUAL                               LNK10434
01104  0020 00 0 01111  10001              TRA     YES                 HIGHER                              LNK10435
01105  0500 00 0 01073  10001              CLA     FONE                DOUBLE CHECK FOR P=1                LNK10436

BINARY CARD ID. NETGEN34
01106  0340 00 0 03112  10001              CAS     P                                                       LNK10437
01107  0020 00 0 01113  10001              TRA     NO                  NO                                  LNK10438
01110  0020 00 0 01111  10001              TRA     YES                 YES                                 LNK10439
01111  0600 00 0 03066  10001       YES    STZ     DCSN                DECISION IS YES                     LNK10440
01112  0020 00 0 01115  10001              TRA     XDECID                                                  LNK10441
01113  0500 00 0 10241  10001       NO     CLA     ONE                 DECISION IS NO                      LNK10442
01114  0601 00 0 03066  10001              STO     DCSN                                                    LNK10443
01115  0774 00 4 00000  10011       XDECID AXT     *-*,4                                                   LNK10444
       1 00001 7 00001  11010
01116  0020 00 4 00001  10000              TRA     1,4                                                     LNK10445
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ASSEMBLED TEXT.

```
                                    *                                                                       LNK10447
                                    *                                                                       LNK10448
                                    *       CONECT  MAKE CONNECTIONS                                        LNK10449
01117  4520 00 0 01746  10001       ENTBLE NZT     PRST                TEST PRIMARY - STATE                LNK10450
01120  0020 00 0 01004  10011              TRA     *+4                 STATE                               LNK10451
01121  0500 00 0 03060  10001              CLA     PCTYP               PRIMARY - GET CONNECTION TYPE       LNK10452
01122  0601 00 0 03113  10001              STO     TTEST                                                   LNK10453
01123  0020 00 0 01006  10011              TRA     *+5                                                     LNK10454
01124  0500 00 0 03057  10001              CLA     SCTYP               STATE - GET CONNECTION TYPE         LNK10455
01125  0601 00 0 03113  10001              STO     TTEST                                                   LNK10456
01126  0500 00 0 01711  10001              CLA     N                                                       LNK10457
01127  0402 00 0 01721  10001              SUB     IN                                                      LNK10458
```

```
BINARY CARD ID. NETGEN35
      01130  0100 00 0 01145  10001          TZE     SELF              MAKE SELF-TEST                          LNK10459
      01131  4520 00 0 03113  10001          NZT     TTEST             IF ZERO, DO NOT ENTER                   LNK10460
      01132  0020 00 0 01144  10001          TRA     XNTBL             IN TABLE                                LNK10461
      01133  0535 00 1 01721  10001  STOPIT  LAC     IN,1                                                      LNK10462
      01134  0500 00 0 03113  10001          CLA     TTEST                                                     LNK10463
      01135  0402 00 0 10243  10001          SUB     THREE                                                     LNK10464
      01136  4100 00 0 01004  10011          TNZ     *+4               TYPE 1 OR 2                             LNK10465
      01137  0500 00 0 10241  10001          CLA     ONE               TYPE 3                                  LNK10466
      01140  0601 00 1 03156  10001          STO     TBLE1,1           ENTER IN PRIMARY STEP TABLE             LNK10467
      01141  0020 00 0 01144  10001          TRA     XNTBL                                                     LNK10468
      01142  0500 00 0 10241  10001          CLA     ONE               TYPE 1 OR 2                             LNK10469
      01143  0601 00 1 01775  10001          STO     TABLE,1           ENTER INTO STOP TABLE                   LNK10470
      01144  0020 00 4 00001  10000  XNTBL   TRA     1,4                                                       LNK10471
      01145  0500 00 0 03062  10001  SELF    CLA     SLFTST                                                    LNK10472
      01146  0402 00 0 10241  10001          SUB     ONE               ONE MORE SELF-CONNECTION                LNK10473
      01147  0601 00 0 03062  10001          STO     SLFTST                                                    LNK10474
      01150  4100 00 0 01144  10001          TNZ     XNTBL             MORE ALLOWED                            LNK10475
      01151  0535 00 1 01721  10001          LAC     IN,1              NO MORE ALLOWED                         LNK10476
      01152  0500 00 0 10241  10001          CLA     ONE               ENTER IN TABLE                          LNK10477

BINARY CARD ID. NETGEN36
      01153  0601 00 1 01775  10001          STO     TABLE,1                                                   LNK10478
      01154  0020 00 4 00001  10000          TRA     1,4                                                       LNK10479
                                      *                                                                        LNK10480
```


ASSEMBLED TEXT.

```
                                      *                                                                        LNK10482
                                      *      NEXMOD  SET SWITCHES FOR NEXT                                     LNK10483
                                      *              MODE AND/OR COMPONENT                                     LNK10484
      01155  0634 00 4 01263  10001  NEXMOD SXA     XNXMOD,4                                                  LNK10485
      01156  0520 00 0 01746  10001          ZET     PRST              TEST PRIM - STATE                       LNK10486
      01157  0020 00 0 01214  10001          TRA     NXPRIM            PRIMARY                                 LNK10487
      01160  4520 00 0 01745  10001          NZT     EXIN              STATE-TEST EXCIT-INHIB                  LNK10488
      01161  0020 00 0 01176  10001          TRA     NSTX              STATE EXCITE                            LNK10489
      01162  0500 00 0 03050  10001          CLA     SI                STATE-INHIB                             LNK10490
      01163  0601 00 0 03046  10001          STO     CNO               STORE NO. OF COMPONENTS                 LNK10491
      01164  0500 00 0 03057  10001          CLA     SCTYP                                                     LNK10492
      01165  0402 00 0 10242  10001          SUB     TWO                                                       LNK10493
      01166  0100 00 0 01245  10001          TZE     NCLTB             TRANSFER IF SCTYP=2                     LNK10494
      01167  0402 00 0 10241  10001          SUB     ONE                                                       LNK10495
      01170  4100 00 0 01262  10001          TNZ     EXNEX             TRANSFER IF SCTYP=0 OR 1                LNK10496
      01171  0774 00 1 01047  10000          AXT     551,1             SCTYP=3                                 LNK10497
      01172  0500 00 1 04225  10001          CLA     TBLE1+551,1       LOAD INHIBITION                         LNK10498
      01173  0601 00 1 03044  10001          STO     TABLE+551,1       INTO TEST TABLE                         LNK10499
      01174  2 00001 1 41002  10011          TIX     *-2,1,1                                                   LNK10500
      01175  0020 00 0 01262  10001          TRA     EXNEX                                                     LNK10501

BINARY CARD ID. NETGEN37
      01176  0500 00 0 03047  10001  NSTX    CLA     SX                STATE-EXCITATORY                        LNK10502
      01177  0601 00 0 03046  10001          STO     CNO               STORE NO. OF COMPONENTS                 LNK10503
      01200  0500 00 0 03067  10001          CLA     LEVN              LEVELS OF INITIAL + TERMINAL            LNK10504
      01201  0601 00 0 03070  10001          STO     PRLEV             COMPS. ARE THE SAME                     LNK10505
      01202  0074 00 4 01265  10001          TSX     NEXCOM,4          NEW COMPONENT ROUTINE                   LNK10506
      01203  0774 00 1 00010  10000          AXT     8,1                                                       LNK10507
      01204  0500 00 1 01725  10001          CLA     IM+8,1                                                    LNK10508
      01205  0601 00 1 01745  10001          STO     SLM+8,1           SAVE PRIM COMP INFO                     LNK10509
      01206  0500 00 1 01735  10001          CLA     SM+8,1                                                    LNK10510
      01207  0601 00 1 01725  10001          STO     IM+8,1            GET STATE COMP INFO                     LNK10511
      01210  2 00001 1 41004  10011          TIX     *-4,1,1                                                   LNK10512
      01211  0500 00 0 03061  10001          CLA     SLFCON                                                    LNK10513
      01212  0601 00 0 03062  10001          STO     SLFTST            INITIALIZE SELF CONNECTION TESTER       LNK10514
      01213  0020 00 0 01245  10001          TRA     NCLTB                                                     LNK10515
      01214  4520 00 0 01745  10001  NXPRIM  NZT     EXIN              PRIMARY - TEST FOR EXCIT-INHIL          LNK10516
      01215  0020 00 0 01232  10001          TRA     NPX               EXCITATORY                              LNK10517
      01216  0500 00 0 03052  10001          CLA     PI                PRIM - INHIB                            LNK10518
      01217  0601 00 0 03046  10001          STO     CNO               STORE NO. OF COMPONENTS                 LNK10519
      01220  0500 00 0 03060  10001          CLA     PCTYP                                                     LNK10520

BINARY CARD ID. NETGEN38
      01221  0402 00 0 10242  10001          SUB     TWO                                                       LNK10521
      01222  0100 00 0 01245  10001          TZE     NCLTB             TRANSFER IF PCTYP=2                     LNK10522
      01223  0402 00 0 10241  10001          SUB     ONE                                                       LNK10523
      01224  4100 00 0 01262  10001          TNZ     EXNEX             TRANSFER IF PCTYP=0 OR 1                LNK10524
      01225  0774 00 1 01047  10000          AXT     551,1             PCTYP=3                                 LNK10525
      01226  0500 00 1 04225  10001          CLA     TBLE1+551,1       LOAD INHIBITORY TABLE                   LNK10526
      01227  0601 00 1 03044  10001          STO     TABLE+551,1       INTO TEST TABLE                         LNK10527
      01230  2 00001 1 41002  10011          TIX     *-2,1,1                                                   LNK10528
      01231  0020 00 0 01262  10001          TRA     EXNEX                                                     LNK10529
      01232  0500 00 0 03051  10001  NPX     CLA     PX                PRIM-EXCITE                             LNK10530
      01233  0601 00 0 03046  10001          STO     CNO               STORE NO OF COMPONENTS                  LNK10531
      01234  0500 00 0 03070  10001          CLA     PRLEV                                                     LNK10532
```


ASSEMBLED TEXT.

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      01235  0402 00 0 10241  10001          SUB     ONE               PRLEV =                                 LNK10533
      01236  0601 00 0 03070  10001          STO     PRLEV             LAST LEVEL NO.                          LNK10534
      01237  0774 00 1 00010  10000          AXT     8,1                                                       LNK10535
      01240  0500 00 1 01725  10001          CLA     IM+8,1                                                    LNK10536
      01241  0601 00 1 01735  10001          STO     SM+8,1            SAVE STATE COMP INFO                    LNK10537
      01242  0500 00 1 01745  10001          CLA     SLM+8,1                                                   LNK10538
      01243  0601 00 1 01725  10001          STO     IM+8,1            GET PRIM COMP INFO                      LNK10539
```

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BINARY CARD ID. NETGE939
      01244  2 00 01 1 41004  10011          TIX     *-4,1 ,                                          LNK10540
      01245  0774 00 1 01047  10000   NETG   AXT     551,1                                            LNK10541
      01246  0600 00 1 04644  10001          STZ     TABLE,*551,1        CLEAR A TO TABLE             LNK10542
      01247  0600 00 1 04275  10001          STZ     TBLE,*551,1                                      LNK10543
      01250  2 00101 1 41007  10011          TIX     *-2,1,1                                          LNK10544
      01251  0520 00 0 01744  10001          ZET     POST                                             LNK10545
      01252  0020 00 0 01267  10001          TRA     FRNK                                             LNK10546
      01253  0520 00 0 01745  10001          ZET     FRIN                                             LNK10547
      01254  0020 00 0 01762  10001          TRA     ERNER                                            LNK10548
      01255  0520 00 0 03041  10001          ZET     SLFCON                                           LNK10549
      01256  0020 00 0 01267  10001          TRA     FRNER                                            LNK10550
      01257  0595 00 1 01711  10001          LAC     N,1                 IF PREV ER. WITH N'          LNK10551
      01260  0500 00 0 10741  10001          CLA     ONE                 SELF CONNECTIONS ALLOWED     LNK10552
      01261  0601 00 1 01775  10001          STO     TABLE,1             ENTER IN TABLE               LNK10553
      01262  0600 00 0 03045  10001   FRNER   STZ     CTR                 ZERO COMP. COUNTER           LNK10554
      01263  0774 00 4 00000  10011   XNEXCP  AXT     *-*,4                                            LNK10555
             1 00001 7 00001  11010
      01264  0020 00 4 00001  10000          TRA     1,4                                              LNK10556


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          ASSEMBLED TEXT.

      01265  0614 00 4 01361  10001   NEXCOM SXA     XNEXCP,4                                         LNK10558

BINARY CARD ID. NETGE940
      01266  0600 00 0 10234  10001          STZ     NEWCOM                                           LNK10559
      01267  0500 00 0 10242  10001          CLA     TWO                                              LNK10560
      01270  0140 00 0 10255  10001          CAS     TPASS                                            LNK10561
      01271  0020 00 0 01304  10001          TRA     ASTPL2                                           LNK10562
      01272  0020 00 0 01001  10011          TRA     **1                                              LNK10563
      01273  0500 00 0 04277  10001          CLA     NUMCOM                                           LNK10564
      01274  0100 00 0 01304  10001          TZE     ASTPL2                                           LNK10565
      01275  000000000000     00010          CALL    PLTREC,NUMCOM,COMMLP,LEVELN1*2*                  LNK10566
      01275  0074 00 4 07000  10011
      01276  1 00003 0 01005  10011
      01277  0 10257 0 00002  10100
      01300  0 00000 0 04277  10001
      01301  0 00000 0 04265  10001
      01302  0 00000 0 04300  10001
      01303  0600 00 0 04277  10001          STZ     NUMCOM                                           LNK10567
                     01304           ASTPL2 OPOD    N,P,A,B,C,X,Y,Z                                  LNK10568

BINARY CARD ID. NETGE942
      01344  0500 00 0 03047  10001          CLA     SP                                               LNK10569
      01345  0400 00 0 03050  10001          ADD     SI                                               LNK10570
      01346  0601 00 0 04312  10001          STO     SIPLSI                                           LNK10571
      01347  0500 00 0 03051  10001          CLA     PP                                               LNK10572
      01350  0400 00 0 03052  10001          ADD     PI                                               LNK10573
      01351  0601 00 0 04313  10001          STO     PIPLPI                                           LNK10574
      01352  0774 00 1 00004  10000          AXT     4,1                                              LNK10575
      01353  0500 00 1 03053  10001   CVALUE CLA     SX*,1                                            LNK10576
      01354  0074 00 4 00717  10001          TSX     FLTRT,4                                          LNK10577
      01355  0131 00 0 00000  10000          XCA                                                      LNK10578

BINARY CARD ID. NETGE943
      01356  0260 00 1 03057  10001          FMP     GSX*4,1                                          LNK10579
      01357  0601 00 1 04765  10001          STO     CPLS*4,1                                         LNK10580
      01360  2 00101 1 01353  10001          TIX     CVALUE,1,1                                       LNK10581
      01361  0774 00 4 00000  10011   XNEXCP AXT     *-*,4                                            LNK10582
             1 00001 7 00001  11010
      01362  0020 00 4 00001  10000          TRA     1,4                                              LNK10583


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          ASSEMBLED TEXT.

                                      *      STORRAGE ARRAYS                                         LNK10585
      01363  200000000017     00001   IN1    BSS     15                  FOR STACKING LEVEL INFO      LNK10586
      01402  200000000017     00001   IN2    BSS     15                                               LNK10587
      01421  200000000017     00001   IN3    BSS     15                                               LNK10588
      01440  200000000017     00001   IN4    BSS     15                                               LNK10589
      01457  200000000017     00001   IN5    BSS     15                                               LNK10590
      01476  200000000017     00001   IN6    BSS     15                                               LNK10591
      01515  200000000017     00001   IN7    BSS     15                                               LNK10592
      01534  200000000017     00001   IN8    BSS     15                                               LNK10593
      01553  200000000017     00001   IN9    BSS     15                                               LNK10594
      01572  200000000017     00001   IN10   BSS     15                                               LNK10595
      01611  200000000017     00001   IN11   BSS     15                                               LNK10596
      01630  200000000017     00001   IN12   BSS     15                                               LNK10597
      01647  200000000017     00001   IN13   BSS     15                                               LNK10598

BINARY CARD ID. NETGE944
      01666  200000000017     00001   IN14   BSS     15                                               LNK10599
                     01363           INAREA EQU     IN1                                              LNK10600
      01705  200000000001     00001   P      BSS     1                   COMPONENTS IN PRESENT LEVEL  LNK10601
      01706  200000000001     00001   X      BSS     1                   DIMENSIONALITY               LNK10602
      01707  200000000001     00001   Y      BSS     1                                                LNK10603
      01710  200000000001     00001   Z      BSS     1                                                LNK10604
      01711  200000000001     00001   N      BSS     1                   COMPONENT NO.                LNK10605
      01712  200000000001     00001   A      BSS     1                                                LNK10606
      01713  200000000001     00001   B      BSS     1                                                LNK10607
      01714  200000000001     00001   C      BSS     1                                                LNK10608
      01715  200000000001     00001   SP     BSS     1             TOTAL COMPONENTS IN LEVEL OF INITIAL COMP  LNK10609
      01716  200000000001     00001   IX     BSS     1                                                LNK10610
      01717  200000000001     00001   IY     BSS     1                                                LNK10611
      01720  200000000001     00001   IZ     BSS     1                                                LNK10612
      01721  200000000001     00001   IN     BSS     1                   INITIAL COMP NO              LNK10613
      01722  200000000001     00001   IA     BSS     1                   TRIPLE                       LNK10614
      01723  200000000001     00001   IB     BSS     1                                                LNK10615
      01724  200000000001     00001   IC     BSS     1                                                LNK10616
      01725  200000000001     00001   SM     BSS     1                   SAVE COMP INFO AREA          LNK10617
      01726  200000000001     00001   SAX    BSS     1                                                LNK10618
```

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BINARY CARD ID. NETGEN45
      01727  200000000001     00001  SY     BSS    1                                  LNK10619
      01730  200000000001     00001  SZ     BSS    1                                  LNK10620
      01731  200000000001     00001  SN     BSS    1                                  LNK10621
      01732  200000000001     00001  SA     BSS    1                                  LNK10622
      01733  200000000001     00001  SB     BSS    1                                  LNK10623
      01734  200000000001     00001  SC     BSS    1                                  LNK10624
      01735  200000000001     00001  SLM    BSS    1                                  LNK10625
      01736  200000000001     00001  SLX    BSS    1                                  LNK10626
      01737  200000000001     00001  SLY    BSS    1                                  LNK10627
      01740  200000000001     00001  SLZ    BSS    1                                  LNK10628
      01741  200000000001     00001  SLN    BSS    1                                  LNK10629
      01742  200000000001     00001  SLA    BSS    1                                  LNK10630
      01743  200000000001     00001  SLB    BSS    1                                  LNK10631
      01744  200000000001     00001  SLC    BSS    1                                  LNK10632
      01745  0 00000 0 00000  10000  EXIN   PZE    0     EXCIT.-INHIB. INDICATOR      LNK10633
      01746  0 00000 0 00000  10000  PRST   PZE    0     PRIMARY - STATE INDICATOR    LNK10634
      01747  200000000003     00001  DAA    BSS    3                                  LNK10635
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          ASSEMBLED TEXT.

      01752  200000000003     00001  FX     BSS    3     FLOATING DIMENSIONALITY TRIPLES  LNK10636
      01755  200000000003     00001  FLX    BSS    3                                      LNK10637

BINARY CARD ID. NETGEN46
      01760  200000000003     00001  FA     BSS    3     FLOATING COMP. TRIPLE            LNK10638
      01763  200000000012     00001  TEMP   BSS   10                                      LNK10639
      01775  200000001047     00001  TABLE  BSS  551     CONNECTION EXHIBITING TABLE      LNK10640
      03044  200000000001     00001  COLCTR BSS    1     COLUMN COUNTER                   LNK10641
      03045  200000000001     00001  CCTR   BSS    1     COMPONENT COUNTER                LNK10642
      03046  200000000001     00001  CNO    BSS    1     NO. OF COMPS IN PRESENT MODE     LNK10643
      03047  200000000001     00001  SX     BSS    1     FOUR MODES                       LNK10644
      03050  200000000001     00001  SI     BSS    1                                      LNK10645
      03051  200000000001     00001  PX     BSS    1                                      LNK10646
      03052  200000000001     00001  PI     BSS    1                                      LNK10647
      03053  200000000001     00001  GSX    BSS    1     PERCENTAGES FOR NORMALIZATION    LNK10648
      03054  200000000001     00001  GSI    BSS    1                                      LNK10649
      03055  200000000001     00001  GPX    BSS    1                                      LNK10650
      03056  200000000001     00001  GPI    BSS    1                                      LNK10651
      03057  200000000001     00001  SCTYP  BSS    1     CONNECTION TYPES                 LNK10652
      03060  200000000001     00001  PCTYP  BSS    1                                      LNK10653
      03061  200000000001     00001  SLFCON BSS    1                                      LNK10654
      03062  200000000001     00001  SLFTST BSS    1                                      LNK10655
      03063  200000000001     00001  RNPUT  BSS    1                                      LNK10656

BINARY CARD ID. NETGEN47
      03064  200000000001     00001  PCH    BSS    1     P-CHOICE                         LNK10657
      03065  200000000001     00001  QCH    BSS    1     Q-CHOICE                         LNK10658
      03066  200000000001     00001  DCSN   BSS    1     DECISION                         LNK10659
      03067  0 00000 0 00000  10000  LEVN   PZE    0     LEVEL NO.                        LNK10660
      03070  0 00000 0 00000  10000  PRLEV  PZE    0     LAST LEVEL NO                    LNK10661
      03071  200000000001     00001  LPCTR  BSS    1     FAILURE COUNTER                  LNK10662
      03072  200000000020     00001  OAPEA  BSS   16                                      LNK10663
      03112  200000000001     00001  P      BSS    1     PROBABILITY                      LNK10664
      03113  200000000001     00001  TTEST  BSS    1                                      LNK10665
      03114  200000000034     00001  OUTA   BSS   28                                      LNK10666
      03150  200000000004     00001  CNVRT  BSS    4                                      LNK10667
      03154  200000000001     00001  ILDIG  BSS    1     NO OF DIGITS, LEV OF INIT COMP   LNK10668
      03155  200000000001     00001  OLDIG  BSS    1     SAME FOR TERMINAL COMPS          LNK10669
      03156  200000001047     00001  TBLE1  BSS  551     TABLE TO STOP INHIB. CONNECTIONS  LNK10670
      04225  200000000001     00001  CTR1   BSS    1                                      LNK10671
      04226  200000000001     00001  RNO    BSS    1     INITIALIZATION OF RDM            LNK10672
      04227  200000000001     00001  ICDIG  BSS    1     NO OF DIGITS, INIT COMP          LNK10673
      04230  200000000001     00001  CTRINT BSS    1                                      LNK10674
      04231  200000000001     00001  OCDIG  BSS    1     TERM.COMP.                       LNK10675

BINARY CARD ID. NETGEN48
      04232  200000000001     00001  BISW   BSS    1                                      LNK10676
      04233  200000000001     00001  DT     BSS    1                                      LNK10677
      04234  200000000001     00001  MSTEP  BSS    1                                      LNK10678
      04235  200000000001     00001  COMG   BSS    1                                      LNK10679
      04236  200000000001     00001  GSAT   BSS    1                                      LNK10680
      04237  200000000001     00001  D      BSS    1                                      LNK10681
      04240  200000000001     00001  LEVNO  BSS    1                                      LNK10682
      04241  200000000020     00001  MA     BSS   16                                      LNK10683
      04261  200000000001     00001  CPLS   BSS    1                                      LNK10684
      04262  200000000001     00001  CMIS   BSS    1                                      LNK10685
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          ASSEMBLED TEXT.

      04263  200000000001     00001  CPLI   BSS    1                                      LNK10686
      04264  200000000001     00001  CMINI  BSS    1                                      LNK10687
      04265  200000000012     00001  COMM   BSS   10                                      LNK10688
      04277  200000000001     00001  NUMCOM BSS    1                                      LNK10689
      04300  200000000012     00001  LEVELN BSS   10                                      LNK10690
      04312  200000000001     00001  SXPL   BSS    1                                      LNK10691
      04313  200000000001     00001  PXPLPI BSS    1                                      LNK10692
      04314  200000000370     00001  RDMP   BSS  200     AREA FOR STORING OUTPUT          LNK10693
      10234  0 00000 0 00000  10000  NEWCOM PZE    0                                      LNK10694
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BINARY CARD ID. NETGEN49
      10235  0 00000 0 00000   10000  KEYS   PZE     0                                                    LNK10695
      10236  200000000001      00001  EPSLN  BSS     1                                                    LNK10696
      10237  200000000001      00001  DIGIT  BSS     1                                                    LNK10697
      10240  000000000000      10000    ZERO DEC     0                                                    LNK10698
      10241  000000000001      10000    ONE  DEC     1                                                    LNK10699
      10242  000000000002      10000    TWO  DEC     2                                                    LNK10700
      10243  000000000003      10000   THREE DEC     3                                                    LNK10701
      10244  000000000006      10000     SIX DEC     6                                                    LNK10702
      10245  000000000007      10000    SEVEN DEC    7                                                    LNK10703
      10246  000000000010      10000     ATE DEC     8                                                    LNK10704
      10247  000000000020      10000   EIGHT DEC     16                                                   LNK10705
      10250  000000000012      10000     TEN DEC     10                                                   LNK10706
      10251  000000000016      10000     C14 DEC     14                                                   LNK10707
      10252  000000000017      10000     C15 DEC     15                                                   LNK10708
      10253  000000000067      10000     C55 DEC     55                                                   LNK10709
      10254  000000000144      10000    C100 DEC     100                                                  LNK10710
      10255  000000000001      10000   IPASS DEC     1                                                    LNK10711
      10256  000000103240      10000   MAXLP DEC     100000          MAXIMUM CONSECUTIVE FAILURES         LNK10712
                                       *                                                                   LNK10713
      10257  000000000000      10000          *LDIR

BINARY CARD ID. NETGEN50
      10260  452563272545      10000
      10261  000000000014      10000          *LORG
      10262  000000000003      10000
                        00000  01111          END                                                          LNK10714


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                $CDICT NETGEN
                                                                                NETGEN51

BINARY CARD ID. NETGEN52
            010263000000                PREFACE     START=C,LENGTH=4275,TYPE=7094,CMPLX=5
            000004000005
            452563272545      NETGEN DECK           LOC=0,LENGTH=4275
            010263000000
            452563272545      NETGEN REAL           LOC=0,LENGTH=0
            000000000000
            452563272545      NETGEN REAL           LOC=0,LENGTH=0
            000000000000
            256731636060      EXIT   VIRTUAL        SECT. 4,CALL
            200000100000
            332647514533      .FPRN. VIRTUAL        SECT. 5,CALL
            200000100000
            516226013160      RSF''  VIRTUAL        SECT. 6,CALL
            200000100000
            476663512523      PUTREC VIRTUAL        SECT. 7,CALL
            200000100000
            332626314333      .FFIL. VIRTUAL        SECT. 8,CALL
            200000100000
            332651666333      .FRWT. VIRTUAL        SECT. 9,CALL
            200000100000
            332666512433      .FWRD. VIRTUAL        SECT. 10,CALL
            200000100000

BINARY CARD ID. NETGEN53
            234645252363      CONECT VIRTUAL        SECT. 11,CALL
            200000100000
            272345677060      GENXY  VIRTUAL        SECT. 12,CALL
            200000100000
            627062434623      $YSLOC VIRTUAL        SECT. 13
            200000000000
            336445000633      .UNO6. VIRTUAL        SECT. 14
            200000000000
            332623456533      .FCNV. VIRTUAL        SECT. 15
            200000000000
            336445001033      .UNO8. VIRTUAL        SECT. 16
            200000000000
                $DKEND NETGEN
                                                                                NETGEN54
NO MESSAGES FOR THIS ASSEMBLY


        SYMBOL REFERENCE DATA                                 01/28/66                                PAGE  90

REFERENCES TO DEFINED SYMBOLS.

 CLASS  SYMBOL   VALUE   REFERENCES

        AFTER    00530
        APRAR    01072   1055,1063,1067
        A        01712   640,1333,1334,1340
        ASTPE2   01304   1271,1274
        ATE      10246
        BISW     04232
        B        01713   641,1323,1324,1332,1341
        C100     10254
        C14      10251
        C15      10252
        C55      10253
        CCTR     03045   653,670,1262
        CHTSTC   00733   727
        CMINP    04264   645
        CMIS     04262   643
        CMPEND   00232   226
```

CND	03046	614,671,1163,1177,1217,1233
CNVRT	03150	
COLCTR	03044	
COMG	04235	31
COMNUM	04265	246,262,651,1301
CONLP	00553	211,634,674
CPLI	04263	644
CPLS	04261	642,1357
C	01714	1312,1314,1322,1342
CTR1	04225	200,202
CTRINT	04230	
CVALUE	01353	1360
DAA	01747	
DCM	03065	37,735
DCSN	03066	624,1111,1114
DECIDE	01074	673
DIGITI	10237	
DIMEN	00172	176
DIS1	00771	743,772
DISERR	00517	512
DISF	00771	1011
DISTAT	01002	773
DOP3	01055	1046
D	04237	1017,1021
DSTNCE	00734	621
DT	04233	25
EIGHT	10247	
ENDIS	00745	734,1020
ENTBLE	01117	666
EPSLN	10236	26
ERDCM	00507	740,741,744
ERPROB	00541	534
EXIN	01745	214,217,221,225,230,232,664,1042,1160,1214,1253
EXNER	01262	1170,1175,1224,1231,1252,1254,1256
FA	01760	1004

SYMBOL REFERENCE DATA

FINISH	00316	
FLEV	00411	417
FLOAT	00726	717,722
FLTNT	00717	412,415,775,1003,1354
FLX	01755	416,777
FM1	00321	312
FMT	00317	277
FONE	01073	1022,1025,1037,1050,1060,1105
FX	01752	413,776
GETOUT	00675	632,633
GPI	03056	375
GPX	03055	373
GSAT	04236	30
GSI	03054	371
GSX	03053	367,1356
IA	01722	603,604,610,774,1002
IB	01723	573,574,602,611
ICDIG	04227	
IC	01724	562,564,572,612
ILDIG	03154	
IM	01715	334,336,556,120[illegible],1207,1240,1243
IN10	01572	51,372
IN11	01611	52,374
IN12	01630	53,376
IN13	01647	54,400
IN14	01666	55,402
IN1	01363	17,40,66,172,267,342,1705
IN2	01402	41,67,173,270,344
IN3	01421	42,70,174,271,346
IN4	01440	43,60,356
IN5	01457	44,61,360
IN6	01476	45,62,362
IN7	01515	46,63,364
IN8	01534	47,366
IN9	01553	50,370
INAREA	01363	
IN	01721	236,337,554,561,607,614,665,1127,1133,1151
IPASS	10255	251,263,660,1270
IX	01716	414,613
IY	01717	575
IZ	01720	565
..0001	00003	12,13,14
..0002	00005	4,7
..0003	00007	0
KEYS	10235	
LEVELN	04300	247,652,1302
LEVNO	04240	24,102,177,272,662
LEVN	03067	240,257,327,331,340,656,1200
LEVTOT	04240	237
LPCTR	03071	626,630,667
LVLOP	00707	241
MA	04241	110,175,261,661
MAXLP	10256	631
MLDLOP	00210	220,224,231,236
M	01705	107,112,121,234,333,354,[illegible]05,1306
MSTEP	04234	27

SYMBOL REFERENCE DATA

```
        NCLTB     01245   1166,1213,1222
        NETGEN    00000   316
        NETMAX    00170   76
        NEWCOM    10234   663,1266
        NEXCOM    01265   1202
        NEXLEV    00326   207
        NEXMOD    01155   210
        NODICE    00706   700
        NOGO      00626   620
        NO        01113   1107
        NPX       01232   1215
        N         01711   235,260,355,657,1126,1257,1304,1311,1337
        NSTX      01176   1161
        NTSIZE    00166   56,65,71,73,74
        NTSZEL    00060   75
        NUMCOM    04277   245,650,1273,1300,1303
        NXPRIM    01214   1157
        OAREA     03072
        OCDIG     04231
        OKCOM     00635   625
        OK        00171   113
        OLDIG     03155
        ONE       10241   201,216,222,227,330,555 563,571,601,606,627,720,742,755,757,761,763,765,1032,1113,,137,1142,
                          1146,1152,1167,1223,1235,1260,1305,1313,1321,1331,1336
        OUTA      03114
        OVSIZE    00145   100
        PCH       03064   36,750,1031,1044
        PCTYP     03060   401,1121,1220
        PERR      00531   753,754
        PEXIN     01042   1027
        PI        03052   365,1216,1350
        PRBLTY    00747   627
        PRIMEX    00221   215
        PRLEV     03070   255,655,1201,1234,1236
        PRMARY    00225   213
        PROB1     01021   756,1022,1022,1022
        PROB2     01021   760
        PROB3     01021   762
        PROB4     01021   764
        PROB5     01067   766
        PROBF     01022
        PRST      01746   212,223,233,654,772,1117,1156,1251
        P         03112   1026,1041,1051,1052,1053,1056,1061,1065,1070,1101,1106
        PXPLPI    04313   647,1351
        PX        03051   363,1232,1347
        RDM1      00504   472,474,476,477
        RDM2      00505   475
        RDM3      00506   501
        RDM       00471   177,1075
        RDNIT     00177   206
        RDUMP     04314
        RNG       04226   35,203
        RNPUT     03063
LCTR     BLCTR
QUAL     UNQS
LCTR    //
```


SYMBOL REFERENCE DATA

```
        SA        01732
        SAX       01726
        SB        01733
        SC        01734
        SCTYP     03057   377,1124,1164
        SELF      01145   1130
        SEVEN     10245
        SI        03050   361,1162,1345
        SIX       10244
        SIZE      00160   151
        SLA       01742
        SLB       01743
        SLC       01744
        SLFCON    03061   403,1211,1255
        SLFTST    03062   1145,1147,1212
        SLM       01735   1205,1242
        SLN       01741
        SLX       01736
        SLY       01737
        SLZ       01740
        SM        01725   406,1206,1241
        SN        01731
        SQRT      00422   424,426,437,441,1015
        SQ        00467   425,430,432,440-442,443,444,445,446,447,452,453,454,455,45[illegible]457
        STOPIT    01133
        SXPLSI    04312   646,1346
        SX        03047   357,1176,1344,1353
        SY        01727
        SZ        01730
        TABLE     01775   817,1143,11[illegible],1173,1227,1246,1261
        TBLE1     03156   1140,1172,1226,1247
        TEMP      01763   1000,1005,1007,1010,1012,1013,1014,1030,1034,1035,1036,1040,1057,1064,1076,1100
        TEN       10250
        THREE     10243   1045,1135
        TOP1      00101   15
        TOP       00016
        TTEST     03113   1122,1125,1131,1134
        TWO       10242   1165,1221,1267
```

```
        UNEQ      00133   120
        XCONEP    00704   553,615,672,673
        XDECBD    01115   1074,1112
        XNEMEM    01361   1265
        XNTDE     01144   1132,1141,1150
        XNXLEV    00420   324
        XNXRBD    01263   1155
        XPRBCY    00767   747,1047,1054,1066,1071
        XPRDB     01054   1043
        XRDM      00502   471
        X         01706   32,104,264,343,352,411,1343
        YES       01111   1104,1110
        Y         01707   33,105,265,345,351,1325
        ZERO      10240   736,751
        Z         01710   34,106,266,347,1315
REFERENCES TO VIRTUAL SYMBOLS.
```


SYMBOL REFERENCE DATA

```
        CONECT      11   635
        EXIT         4   130,155
        GENXY       12   252
        .FCNV.      15   122,124
        .FFIE.       8   125,152,300,313,513,535,701
        .FPRM.       5   307,507,531,675
        .FRWT.       9   303
        .FWRD.      10   114,145,273
        .UNDB.      14   117,150
        .UNOB.      16   276,306
        PUTREC       7   242,1275
        RSFID        6   21
        SYSLOC      13   10
```


$IBFTC ISUMA1 M94/2,XR7

ISUMA1 - EFN SOURCE STATEMENT - IFN(S) -

```
      FUNCTION ISUMA(A,MA)                                              LNK10716
      INTEGER A                                                         LNK10717
      DIMENSION MA(A)                                                   LNK10718
C     ....SPACING OF CONNECTION POINTS FOR PDP GRAPH.                   LNK10719
C     ....A=LEVEL NO., MA=NO. COMPONENTS PER LEVEL. ZERO LEVEL=MA(1)    LNK10720
C                                                                       LNK10721
      ISUMA=0                                                           LNK10722
      DO 30 L=1,A                                                       LNK10723
   30 ISUMA=ISUMA+2*MA(L)+1                                             LNK10724
      RETURN                                                            LNK10725
      END                                                               LNK10726
```


$IBFTC GENXY1 M94/2,XR7

GENXY1 - EFN SOURCE STATEMENT - IFN(S) -

```
      SUBROUTINE GENXY (A1,B1,A2,B2,MA,COMNUM,IPASS,X,Y,Z,IN1,IN2,IN3,  LNK10728
     1LEVNO)                                                            LNK10729
      INTEGER A1,B1, A2,B2,COMNUM,XX,YY,X,Y,Z,EXA                       LNK10730
      DIMENSION MA(16),IN1(15),IN2(15),IN3(15),INA(255),EXA(255)        LNK10731
      IF(IPASS-2)10,20,30                                               LNK10732
C     ....LAST PASS. 777777777777 OCTAL SIGNALS END OF CONNECTIONS.     LNK10733
   30 EXA(1)=-34359738367                                               LNK10734
      INA(J)=-34359738367                                               LNK10735
      INA(255)=-34359738367                                             LNK10736
      WRITE(3) EXA                                                      LNK10737   6
      WRITE(9)INA                                                       LNK10738
C                                                                       LNK10739
C                                                                       LNK10740
C                                                                       LNK10741
C                                                                       LNK10742   8
      REWIND 9                                                          LNK10743  10
   80 READ(9)INA                                                        LNK10744  11
      WRITE(3)INA                                                       LNK10745  13
      IF(INA(255)+34359738367)90,90,80                                  LNK10746
   90 REWIND 9                                                          LNK10747  16
      RETURN                                                            LNK10748
C                                                                       LNK10749
C                                                                       LNK10750
C                                                                       LNK10751
C     ....FIRST PASS. INITIALIZE STORAGE COUNTERS.                      LNK10752
   10 IPASS=2                                                           LNK10753
      I=1                                                               LNK10754
      J=1                                                               LNK10755
      REWIND 9
C                                                                       LNK10756
                                                                        LNK10757
C                                                                       LNK10758  20
```

```
   20 IF(A1)40,40,50                                                    LNK10759
   40 XX=2*B1                                                           LNK10760
      GO TO 5                                                           LNK10761
   50 XX=2*B1+ISUMA(A1,MA)                                              LNK10762    26
    5 IF(A2)60,60,70                                                    LNK10763
   60 YY=2*B2                                                           LNK10764
      GO TO 6                                                           LNK10765
   70 YY=2*B2+ISUMA(A2,MA)                                              LNK10766
C     ....DETERMINE TYPE OF CONNECTION.                                 LNK10767    32
    6 IF(COMNOW.GT.0) GO TO 1                                           LNK10768
C     ....CONNECTION INHIBITORY                                         LNK10769
      XX=XX*262144                                                      LNK10770
      INA(J)=XX+YY                                                      LNK10771
      IF(J.LT.255) GO TO 2                                              LNK10772
      WRITE(9)INA                                                       LNK10773    40
      J=1                                                               LNK10774
      GO TO 4                                                           LNK10775
    2 J=J+1                                                             LNK10776
      GO TO 4                                                           LNK10777
C                                                                       LNK10778
C                                                                       LNK10779
C                                                                       LNK10780
C                                                                       LNK10781
```



```
C                                                                       LNK10782
C     ....CONNECTION EXCITATORY                                         LNK10783
    1 XX=XX*262144                                                      LNK10784
      EXA(J)=XX+YY                                                      LNK10785
      IF(J.LT.255) GO TO 3                                              LNK10786
      WRITE(9)EXA                                                       LNK10787    50
      J=1                                                               LNK10788
      GO TO 4                                                           LNK10789
    3 J=J+1                                                             LNK10790
    4 RETURN                                                            LNK10791
      END                                                               LNK10792
```



```
$IBFTC PUTRE   M 4/2,XR7
```



```
      SUBROUTINE PUTREC(NUMCOM,COMNUM,LEVELN)                           LNK10794
      INTEGER COMNUM                                                    LNK10795
      DIMENSION COMNUM(10),LEVELN(10)                                   LNK10796
C     ....WRITE CONNECTION RECORD(TEN CONNECTIONS PER RECORD MAX.)      LNK10797
C     ....COMPONENT NO., LEVEL NO., AND NUMBER OF CONNECTION IN RECORD. LNK10798
C                                                                       LNK10799
      WRITE(8,7060)(COMNUM(I),LEVELN(I),I=1,NUMCOM)                     LNK10800    1
 7060 FORMAT(20I4,1H.,I2)                                               LNK10801
C                                                                       LNK10802
C                                                                       LNK10803
      RETURN                                                            LNK10804
      END                                                               LNK10805
C                                                                       LNK10806
C                                                                       LNK10807
```



```
$IBFTC CONEC   M94/2,XR7
```



```
      SUBROUTINE CONECT(A,B,CPLS,CMIS,CPLI,CMINI,SXPLSI,PXPLPI,         LNK10809
     1NUMCOM,COMNUM,LEVELN,CCTR,PRST,PRLEV,LEVN,N,IPASS,MA,LEVNO,       LNK10810
     2NEWCOM,EXIN,IN)                                                   LNK10811
      DIMENSION COMNUM(10),LEVELN(10),MA(16),IN1(15),IN2(15),IN3(15)    LNK10812
      INTEGER A,B,SXPLSI,PXPLPI,COMNUM,CCTR,PRST,PRLEV,Z,EXIN           LNK10813
      IF(NEWCOM.GT.0) GO TO 20                                          LNK10814
      NEWCOM=1                                                          LNK10815
C     ....NEW TERMINAL COMPONENT.                                       LNK10816
      WRITE(8,7050)N,LEVN,CPLS,CMIS,CPLI,CMINI,SXPLSI,PXPLPI            LNK10817    5
 7050 FORMAT(1H ,I3,1H.,I2,1H*,4F8.4,2I3)                               LNK10818
      NUMCOM=0                                                          LNK10819
   10 IF(NUMCOM.LT.10) GO TO 1                                          LNK10820
C     ....WRITE OUT THE CONNECTION RECORD.                              LNK10821
      CALL PUTREC(NUMCOM,COMNUM,LEVELN)                                 LNK10822    9
      NUMCOM=0                                                          LNK10823
    1 NUMCOM=NUMCOM+1                                                   LNK10824
      CCTR=CCTR+1                                                       LNK10825
C     ....DETERMINE APPROPRIATE SIGN FOR EXCITATORY OR INHIBITORY       LNK10826
C         CONNECTION AND ATTACH SIGN TO INITIAL COMPONENT NAME.         LNK10827
      COMNUM(NUMCOM)=IN                                                 LNK10828
      IF(EXIN.GT.0)COMNUM(NUMCOM)=-IN                                   LNK10829
C     ....DETERMINE IF STATE OR PRIMARY CONNECTION AND ASSIGN THE       LNK10830
C         APPROPRIATE LEVEL NO. TO THE INITIAL COMPONENT NAME.          LNK10831
      LEVELN(NUMCOM)=LEVN                                               LNK10832
      IF(PRST.GT.0)LEVELN(NUMCOM)=PRLEV                                 LNK10833
C     ....COMPUTE CONNECTION POINT VALUES FOR POP GRAPH.                LNK10834
      CALL GENXY(LEVELN(NUMCOM),IN,LEVN,N,MA,COMNUM(NUMCOM),IPASS,B,Y,Z,LNK10835
     1IN1,IN2,IN3,LEVNO)                                                LNK10836
C                                                                       LNK10837
C                                                                       LNK10838
C                                                                       LNK10839    24
      RETURN                                                            LNK10840
      END                                                               LNK10841
```

```
0IBFTC RSF111  M94/2,287

                                                                    01/28/66
          RSF111     -  EFN   SOURCE STATEMENT  -  IFN(S)  -

      SUBROUTINE RSF111(LEVNO,DT,EPSLN,MSTEP,GSAT,CONG,X,Y,Z,RNO,PCH,     LNK10843
     1DCH,IN1,IN2,IN3,IN4,IN5,IN6,IN7,IN8,IN9,IN10,IN11,IN12,IN13,IN14) LNK10844
      DIMENSION TEMP(19,13),IN1(15),IN2(15),IN3(15),IN4(15),IN5(15),      LNK10845
     1IN6(15),IN7(15),IN8(15),IN9(15),IN10(15),IN11(15),IN12(15),         LNK10846
     2IN13(15),IN14(15)                                                   LNK10847
C     ....READ AND RECORD NETWORK GENERATOR INFORMATION.                  LNK10848
C                                                                         LNK10849
C                                                                         LNK10850
      READ(5,7010) LEVNO,DT,EPSLN,MSTEP,GSAT,CONG                         LNK10851    1
 7010 FORMAT(I2,F9.9,F9.9,F9.6,F9.7,F9.7)                                 LNK10852
C                                                                         LNK10853
C                                                                         LNK10854
C                                                                         LNK10855
C                                                                         LNK10856
C                                                                         LNK10857
      READ(5,7020) X,Y,Z,RNO,PCH,DCH                                      LNK10858    4
 7020 FORMAT(5I3,I5,2I1)                                                  LNK10859
      WRITE(6,7012)X,Y,Z,RNO,PCH,DCH                                              5
 7012 FORMAT(1H ,//12H SECOND CARD/3HOX=,I3,4X,2HY=,I3,4X,2HZ=,I3,4X,
     14HRNO=,I5,4X,4HPCH=,I1,4X,4HDCH=,I1)
C                                                                         LNK10860
C                                                                         LNK10861
      WRITE(6,7014)                                                               6
 7014 FORMAT(84HOLEVEL CARDS-B//6H LEVEL,5X,1HX,7X,1HY,7X,1HZ,7X,2HSX,
     16X,2HS1,6X,2HPX,6X,2HPI,5X,3HGSX,5X,3HGSI,5X,3HGPX,5X,3HGPI,4X,
     25HSCTYP,3X,5HPCTYP,3X,6HSLPCON)
      DO 1 I=1,LEVNO                                                      LNK10862
      READ(5,7030) (TEMP(I,J),J=1,13)                                     LNK10863    9
 7030 FORMAT(13A6)                                                        LNK10864
C                                                                         LNK10865
C                                                                         LNK10866
      READ(5,7040) IN1(I),IN2(I),IN3(I),IN4(I),IN5(I),IN6(I),IN7(I),      LNK10867
     1IN8(I),IN9(I),IN10(I),IN11(I),IN12(I),IN13(I),IN14(I)               LNK10868   14
 7040 FORMAT(7I3,4F4.3,2I1,I3)                                            LNK10869
      WRITE(6,7013)I,IN1(I),IN2(I),IN3(I),IN4(I),IN5(I),IN6(I),IN7(I),
     1IN8(I),IN9(I),IN10(I),IN11(I),IN12(I),IN13(I),IN14(I)                      30
 7013 FORMAT(1H0,2X,I2,2X,1H*,7(2X,I3,2X,1H*),4(F6.3,1H*),2(3X,I1,3X,
     11H*),2X,I3)
C                                                                         LNK10870
C                                                                         LNK10871
      WRITE(3) LEVNO,DT,EPSLN,MSTEP,GSAT,CONG,X,Y,Z,RNO,PCH,DCH           LNK10872   45
      WRITE(6,7010) LEVNO,DT,EPSLN,MSTEP,GSAT,CONG                        LNK10873   46
      WRITE(6,7011)LEVNO,DT,EPSLN,MSTEP,GSAT,CONG                         LNK10874   47
 7011 FORMAT(23H0NETWORK SPECIFICATIONS///15H NO. OF LEVELS=,I2/
     14H DT=,F14.9/ 7H EPSLN=   ,F14.9/7H MSTEP=,F9.6/ 6H GSAT=,F9.7/    LNK10876
     16H CONG=,F9.7)                                                      LNK10877
      DO 2 I=1,LEVNO                                                      LNK10878
    2 WRITE(6,7030)(TEMP(I,J),J=1,13)                                     LNK10879   51
      RETURN                                                              LNK10880
      END                                                                 LNK10881
```



```
          ISUMAI                                  STORAGE  MAP

                                        FUNCTION    ISUMA       TYPE     I
                                           UNDIMENSIONED PROGRAM VARIABLES

SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE
F.0000       00001         I                                                                                
                                                     ENTRY POINTS

      ISUMA        SECTION      2
                                                     SUBROUTINES CALLED

      SYSLOC       SECTION      3
                                              EFN   IFN   CORRESPONDENCE

EFN         IFN         LOCATION          EFN         IFN         LOCATION          EFN         IFN         LOCATION
30          6A          00015
 THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00053.
```



```
          GENXYI                                  STORAGE  MAP

                                        SUBROUTINE  GENXY
                                              DIMENSIONED PROGRAM VARIABLES

SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE
EXA          00001         I            INA          00400         I
                                           UNDIMENSIONED PROGRAM VARIABLES

SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE          SYMBOL      LOCATION      TYPE
XX           00777         I            YY           01000         I            I           01001         I
J            01002         I
                                                     ENTRY POINTS

      GENXY        SECTION      2
                                                     SUBROUTINES CALLED

      .FWR8.       SECTION      3          .FBLO.       SECTION      4          .FRWT.       SECTION      5
      .FRD8.       SECTION      6          .FBL3.       SECTION      7          ISUMA        SECTION      8
      .UN03.       SECTION      9          .FWLR.       SECTION     10          .FBLT.       SECTION     11
      .FBDT.       SECTION     12          .UN09.       SECTION     13          .FRLR.       SECTION     14
      SYSLOC       SECTION     15
                                              EFN   IFN   CORRESPONDENCE

EFN         IFN         LOCATION          EFN         IFN         LOCATION          EFN         IFN         LOCATION
10          17A         01120             20          21A         01132             30          3A          01023
80          11A         01061             90          16A         01113             40          23A         01135
50          25A         01141             5           27A         01154             60          29A         01157
70          31A         01163             8           33A         01176             1           45A         01240
2           43A         01234             4           54A         01274             3           53A         01271

 THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01341.
```

```
PUTRE                                                    01/28/66                                    PAGE  108
                                                STORAGE  MAP

                                        SUBROUTINE  PUTREC
                                                    ENTRY POINTS

     PUTREC       SECTION     2
                                                    SUBROUTINES CALLED

     .FWRD.       SECTION     3              .UNOB.       SECTION     4              .FFIL.       SECTION     5
     .FCNV.       SECTION     6              SYSLOC       SECTION     7
                                             EFN   IFN    CORRESPONDENCE

EFN          IFN          LOCATION          EFN          IFN          LOCATION          EFN          IFN          LOCATION
7060         FORMAT        00007
 THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00063.


CONEC                                                    01/28/66                                    PAGE  109
                                                STORAGE  MAP

                                        SUBROUTINE  CONECT
                                             DIMENSIONED PROGRAM VARIABLES

SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE
IN1           00001         I            IN2           00020         :            IN3           00037         I
                                             UNDIMENSIONED PROGRAM VARIABLES

SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE
Z             00056         I            X             00057         R            Y             00060         R
                                                    ENTRY POINTS

     CONECT       SECTION     2
                                                    SUBROUTINES CALLED

     .FWRD.       SECTION     3              PUTREC       SECTION     4              GENXY        SECTION     5
     .UNOB.       SECTION     6              .FFIL.       SECTION     7              .FCNV.       SECTION     8
     SYSLOC       SECTION     9
                                             EFN   IFN    CORRESPONDENCE

EFN          IFN          LOCATION          EFN          IFN          LOCATION          EFN          IFN          LOCATION
10            6A           00134            7020         FORMAT        00071            1            11A           00150
 THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00344.


RSFII                                                    01/28/66                                    PAGE  110
                                                STORAGE  MAP

                                        SUBROUTINE  RSFII
                                             DIMENSIONED PROGRAM VARIABLES

SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE
TEMP          00001         R
                                             UNDIMENSIONED PROGRAM VARIABLES

SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE          SYMBOL       LOCATION      TYPE
I             00304         I
                                                    ENTRY POINTS

     RSFII        SECTION     2
                                                    SUBROUTINES CALLED

     .FRDD.       SECTION     3              .FRRD.       SECTION     4              .FWRB.       SECTION     5
     .UN05.       SECTION     6              .FRTN.       SECTION     7              .FCNV.       SECTION     8
     .UN06.       SECTION     9              .FFIL.       SECTION    10              .UN03.       SECTION    11
     .FMLR.       SECTION    12              .FBLT.       SECTION    13              .FBCT.       SECTION    14
     .UN08.       SECTION    15              SYSLOC       SECTION    16
                                             EFN   IFN    CORRESPONDENCE

EFN          IFN          LOCATION          EFN          IFN          LOCATION          EFN          IFN          LOCATION
701'         FORMAT        00313            7020         FORMAT        00320            7012         FORMAT        00322
701          FORMAT        00342            1             14A          00567            7030         FORMAT        00375
7040         FORMAT        00376            7013         FORMAT        00401            7011         FORMAT        00415
2            91A           01007
 THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01253.


                                                                                 01/28/66

$IBFTC IPTCO   M94/2,XR7
```

```
      SUBROUTINE IPTCON(READOP,NUMIN,NAMES)
      DIMENSION EL(510),DATA(510),IDATA(510)
      EQUIVALENCE(DATA(1),IDATA(1),EL(1))
      INTEGER READOP,TRDOP
      DATA EX/6HEXPLOD/
      REWIND 4                                                          1
      REWIND 11                                                         2
      NEL=NUMIN
      IF(READOP.NE.1)GO TO 1
      READ(11)TRDOP,NNUMIN,NNAMES                                       6
      IF(TRDOP.NE.READOP.OR.NNUMIN.NE.NUMIN.OR.NNAMES.NE.NAMES)GO TO 11
      WRITE(4)READOP,NUMIN,NAMES                                        12
      DO 6 I=1,NAMES
      READ(11)NAME,KEY,(IDATA(J),J=1,NUMIN)                             15
      DO 4 J=1,NUMIN
      IF(IDATA(J).GT.256)GO TO 13
      DATA(J)=IDATA(J)-1
      IF(DATA(J).LT.0.)DATA(J)=0.
      DATA(J)=DATA(J)/256.0
    4 CALL BPOINT(DATA(J),1)                                            38
      WRITE(4)NAME,KEY,(DATA(K),K=1,NUMIN)                              40
    6 CONTINUE
      GO TO 7
    1 L=5
      IF(READOP.EQ.3)L=10
      READ(L,7070)TRDOP,NNUMIN,NNAMES,EXP                               52
      IF(TRDOP.NE.READOP.OR.NNUMIN.NE.NUMIN.OR.NNAMES.NE.NAMES)GO TO 11
      WRITE(4)READOP,NUMIN,NAMES                                        58
      IF(EXP.NE.EX) GO TO 2
C
C     ASSIGN INPUT VALUES ACCORDING TO EXPLOD CARDS
C
      CALL EXPLOD(NUMIN,NAMES,EL,IDATA)                                 62
       GO TO 7
    2 DO 3 I=1,NAMES
      READ(L,7080)NAME,KEY,(EL(K),K=1,NEL)                              67
   30 DO 50 J=1,NEL                                                     LNK20010
   50 CALL BPOINT(EL(J),1)                                              LNK20011   79
   60  WRITE(4)      NAME,KEY,(EL(K),K=1,NEL)                           LNK20012   82
    3 CONTINUE
    7 END FILE 4                                                        90
      REWIND 4                                                          91
      REWIND 11                                                         92
      PRINT 9000                                                        93
      RETURN
   11 WRITE(6,8000)                                                     94
      STOP
   13 WRITE(6,8001)                                                     95
      STOP
   80 FORMAT(6H NAME ,I4,4X,3HKEY,I3//5(F19.16,1X))
 8000 FORMAT(19H CONTROL CARD ERROR/1H1)
 8001 FORMAT(31H INPUT VALUE EXCEEDS MAX. SIZE.)
 7070 FORMAT(I2,I3,I4,A6)
 7080 FORMAT(A6,I3,10F4.4/(20F4.4))
 9000 FORMAT(///17H INPUT CONVERTED  ////)
```



```
$IBFTC EXPLOR
```



```
      SUBROUTINE EXPLOD(NUMIN,NAMES,EL,IDATA)
      DIMENSION EL(1),II(1530),VALU(1530),IDATA(1)
      EQUIVALENCE (II(1),VALU(1))
      DO 1 I=1,NAMES
      DO 7 J=1,NUMIN
    2 IDATA(J)=0
      READ(5,1000)NAME,KEY,100CT                                        9
 1000 FORMAT(A6,2I3)
      M=3*100CT-2
      READ(5,1001)(II(K),II(K+1),VALU(K+2),K=1,M,3)                     13
 1001 FORMAT(7(2I3,F4.4))
      DO 3 K=1,M,3
      L=II(K)
      N=II(K+1)
      DO 3 J=L,N
      EL(J)=VALU(K+2)
    3 CALL BPOINT(EL(J),1)                                              32
    1 WRITE(4) NAME,KEY,(EL(K),K=1,NUMIN)                               36
      RETURN
      END
```

IPTCO STORAGE MAP

SUBROUTINE IPTCON
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
EL	00001	R	DATA	00001	R	IDATA	00001	I

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
IRDOP	00777	I	NEL	01000	I	NNUMIN	01001	I
NNAMES	01002	I	I	01003	I	NAME	01004	I
KEY	01005	I	J	01006	I	L	01007	I
EXP	01010	R	EX	01011	R			

ENTRY POINTS

IPTCON SECTION 2

SUBROUTINES CALLED

.FRWT.	SECTION	3	.FRDB.	SECTION	4	.FWRB.	SECTION	5
BPOINT	SECTION	6	.FVIC.	SECTION	7	.FRDD.	SECTION	8
EXPLOD	SECTION	9	.FEFT.	SECTION	10	.FPRN.	SECTION	11
.FWRD.	SECTION	12	.EXIT.	SECTION	13	.UN04.	SECTION	14
.UNII.	SECTION	15	.FRLR.	SECTION	16	.FBLT.	SECTION	17
.FBDT.	SECTION	18	.FWLR.	SECTION	19	.FRTN.	SECTION	20
.FCNV.	SECTION	21	.FFIL.	SECTION	22	.UN06.	SECTION	23
E.1	SECTION	24	E.2	SECTION	25	E.3	SECTION	26
E.4	SECTION	27	CC.1	SECTION	28	CC.2	SECTION	29
CC.3	SECTION	30	CC.4	SECTION	31	SYSLOC	SECTION	32

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
1	49A	01262	11	94A	01475	6	45A	01257
4	36A	01227	13	95A	01507	7	90A	01453
7070	FORMAT	01047	2	64A	01355	3	87A	01451
7080	FORMAT	01052	30	74A	01420	50	77A	01421
60	82A	01433	9000	FORMAT	01056	8000	FORMAT	01034
8001	FORMAT	01041	80	FORMAT	01025			

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01572.

EXPLOR STORAGE MAP

SUBROUTINE EXPLOD
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
II	00001	I	VALU	00001	R			

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
I	02773	I	NAM	02774	I	KEY	02775	I
IDOCT	02776	I	M	02777	I	K	03000	I
L	03001	I	N	03002	I			

ENTRY POINTS

EXPLOD SECTION 2

SUBROUTINES CALLED

.FRDD.	SECTION	3	BPOINT	SECTION	4	.FWRB.	SECTION	5
.UN05.	SECTION	6	.FRTN.	SECTION	7	.FCNV.	SECTION	8
.UN04.	SECTION	9	.FWLR.	SECTION	10	.FBLT.	SECTION	11
.FBDT.	SECTION	12	SYSLOC	SECTION	13			

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
1	36A	03143	2	7A	03036	1000	FORMAT	03014
1001	FORMAT	03016	3	2[illegible]A	03127			

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 03226.


```
$IBFTC METAI   K94/2,XR7

                                                                    01/28/66
          METAI      -  EFN   SOURCE STATEMENT  -  IFN(S)  -

      SUBROUTINE METAS1(NET,STINP)                                  LNK30001
      DIMENSION          MS(15),MI(15),FPLS(15),FMINS(15),FPLI(15),FMINILNK30002
     1(15),RIAS(15),ESUM(15),ASSIGN(1100),OUT(500),        A(500),R(500LNK30003
     2),DATA(200),NS(15),NI(15),NPLS(15),NMINS(15),NPLI(15),NMINI(15),  LNK30004
     3RIAS(15),NSUM(15),NGWT(1000),GWT(1000)                            LNK30005
      DATA NONET/6HENDNET/                                          LNK30006
      INTEGER X,Y,TABSZ,A1,B1,A,B,ACCM,OUT,SVAL,OUTP1,OUTP2,OUTP3,DATA, LNK30007
     1STINP,ASSIGN                                                  LNK30008
      REAL       MSTEP,MS,MI                                        LNK30009
      EQUIVALENCE (NDT,DT),(NPSLN,FPSLN),(NSTEP,MSTEP),(NSAT,GSATT),(NOMLNK30010
     1MG,COMMG),(NS,MS),(NI,MI),(NPLS,FPLS),(NMINS,FMINS),(NPLI,FPLI),(NLNK30011
     2MINI,FMINI),(NRIAS,RIAS),(NSUM,ESUM),(NCPLS,CPLS),(NCMINS,CMINS),(NLNK30012
     3CPLI,CPLI),(NCMINI,CMINI),(NGWT,GWT)                              LNK30013
```

```
      WRITE(JTAP)LIMP                                                   LNK30106   194
      WRITE(JTAP)(OUT(N),N=1,200)                                       LNK30107   195
      REWIND JTAP                                                       LNK30108
C     CALL PHASE II.                                                    LNK30109   140
      CALL METASZ(DATA,ASSIGN,TABSZ,STIMP)                              LNK30110   141
      RETURN                                                            LNK30111
   20 KK = I*2-2                                                        LNK30112
C     NAME = COMPONENT NAME.                                            LNK30113
C     B1 IS PUT IN THE DECREMENT.                                       LNK30114
C     A1 IS PUT IN THE ADDRESS.                                         LNK30115
      NAME=B1*262144+A1                                                 LNK30116
      ASSIGN(KK+1) =NAME                                                LNK30117
      ASSIGN(KK+2) =ADDR                                                LNK30118
      ADDR = ADDR + X + Y + 17                                          LNK30119
C     NEXT COMPONENT ADDRESS.                                           LNK30120
      IF(NEXT.GE.B1)GO TO 21                                            LNK30121
      OUT(J)=-ADDR                                                      LNK30122
      NEXT=B1                                                           LNK30123
      GO TO 24                                                          LNK30124
C     STORE COMPONENT DATA IN 'OUT' ARRA..                              LNK30125
   21 OUT(J)  = ADDR                                                    LNK30126
   24 OUT(J+1)= NAME                                                    LNK30127
      OUT(J+2)=IVAL
      OUT(J+3)=SVAL
      OUT(J+4)=NCPLS                                                    LNK30130
      OUT(J+5)=NCPINS                                                   LNK30131
      OUT(J+6)=NCPLI                                                    LNK30132
      OUT(J+7) =NCPINI                                                  LNK30133
      OUT(J+8) = OPUT1                                                  LNK30134
      OUT(J+9) = OPUT2                                                  LNK30135
      OUT(J+10)= OPUT3                                                  LNK30136
      IXANDY =  X + Y                                                   LNK30137
C     PUT  Y  IN DECREMENT,  X  IN ADDRESS.                             LNK30138
      OUT(J+11) = Y*262144 +X                                           LNK30139
      J=J+11                                                            LNK30140
      XOPLB = 0.0                                                       LNK30141
      XOPLA = 0.5                                                       LNK30142
      XOPIA = 0.0                                                       LNK30143
      XOPIB = 0.0                                                       LNK30144
      IF(CORG.EQ.0.)GO TO 50                                            LNK30145
      READ(ITAP,7060)(A(P),B(P),P=1,IXANDY)                             LNK30146
C     READ CONNECTION CARDS.                                            LNK30147   172
 7060 FORMAT(I4,1X,I2,I4,1X,I2,I4,1X,I2,I4,1X,I2,I4,1X,I2,I4,1X,I2,I4,1X
     1,I2,I4,1X,I2,I4,1X,I2,I4,1X,I2)
      DO 25 NN = 1,IXANDY                                               LNK30149
   25 GWT(NN)= CORG                                                     LNK30150
      GO TO  55                                                         LNK30151
   50 READ(ITAP,7070)(A(P),B(P),GWT(P),P=1,IXANDY)                      LNK30152
C     READ CONNECTION CARDS AND GWTS.                                   LNK30153   184
 7070 FORMAT(7(I4,1X,I2,F8.0))                                          LNK30154
   55 DO 60 M = 1,IXANDY                                                LNK30155
   60 CALL BPOINT (GWT(M),19)                                           LNK30156
C     ENTER CONNECTION DATA INTO 'OUT' ARRAY.                           LNK30157   196
   65 DO 70  K = 1,IXANDY                                               LNK30158
      IF(A(K))75,66,66                                                  LNK30159
   66 XOPLA = XOPLA + 1.0                                               LNK30160
```



```
      J=J+1                                                             LNK30161
      OUT(J)=B(K)*262144+A(K)                                           LNK30162
      J=J+1                                                             LNK30163
   70 OUT(J)=NGWT(K)                                                    LNK30164
   75 DO  80 L =1,IXANDY                                                LNK30165
      IF(A(L))76,85,85                                                  LNK30166
   76 J=J+1                                                             LNK30167
      OUT(J)=IABS(B(L)*262144 -A(L))                                    LNK30168
      J=J+1                                                             LNK30169
      OUT(J)=-NGWT(L)                                                   LNK30170
   80 XOPIA = XOPIA + 1.0                                               LNK30171
   85 DO 90 LL =L,IXANDY                                                LNK30172
      IF(A(LL))95,86,86                                                 LNK30173
   86 J=J+1                                                             LNK30174
      OUT(J)=B(LL)*262144+A(LL)                                         LNK30175
      J=J+1                                                             LNK30176
      OUT(J)=NGWT(LL)                                                   LNK30177
   90 XOPLB = XOPLB + 1.0                                               LNK30178
   95 DO  100 KK = LL,IXANDY                                            LNK30179
      J=J+1                                                             LNK30180
      OUT(J)=IABS(B(KK)*262144 -A(KK))                                  LNK30181
      J=J+1                                                             LNK30182
      OUT(J)=-NGWT(KK)                                                  LNK30183
  100 XOPIB = XOPIB + 1.0                                               LNK30184
C     CHECK GWT CONSISTANCY.                                            LNK30185
      IF((XOPLA + GSAT).GE.CCPLS.AND.(XOPIA + GSAT).GE.CCPIN.AND.(XOPLB LNK30186
     1+ GSAT).GE.CCPLI.AND.(XOPIB + GSAT).GE.CCPINI)GO TO 120           LNK30187
      WRITE(NTAP,1150) I                                                LNK30188   257
 1150 FORMAT(1H1,25X24HCOMPONENTS INCONSISTENT./25X23HTHE COMPONENT NUMBLNK30189
     1ER = ,I4/)                                                        LNK30190
      GO TO 1200                                                        LNK30191
  120 J=J+1                                                             LNK30192
      IF(J.LE.200)GO TO 500                                             LNK30193
      MAX = J-1                                                         LNK30194
      WRITE(JTAP)MAX                                                    LNK30195   264
      WRITE(JTAP)(OUT(PN),PN=1,MAX)                                     LNK30196
C     WRITE OUT THE 'OUT' ARRAY AND CONTINUE.                           LNK30197   265
      J=1                                                               LNK30198
  500 CONTINUE                                                          LNK30199
      WRITE(NTAP,1140)                                                  LNK30200   272
 1140 FORMAT(1H1,25X20HTOO MANY COMPONENTS./)                           LNK30201
 1200 STOP                                                              LNK30202
      END                                                               LNK30203
```

```
$IBFTC NETA2   N94/2,XR7
```



```
      SUBROUTINE NETAS2(DATA,ASSIGN,TABSZ,STINP)                        LNK30205
      DIMENSION DATA(200),BLOCK(500),ASSIGN(1100)                       LNK30206
      INTEGER       DATA,BLOCK,ASSIGN,TABSZ,STINP,COMPNO                LNK30207
C                                                                       LNK30208
C     .....NETAS2 WRITES A COMPLETE NETWORK TAPE WHICH CONTAINS NETWORK LNK30209
C     AND LEVEL INFORMATION IN 200 WORD BLOCKS.  .....                  LNK30210
C     .....                                                             LNK30211
C     .....WHEN ENTERING THIS PHASE,THE FIRST 156 WORDS OF DATA CONTAIN LNK30212
C     LEVEL INFORMATION.  I.E.,NAME(I),MS(I),....ESUP(I)  .....         LNK30213
C                                                                       LNK30214
      I=157                                                             LNK30215
    2 READ(1) J                                                         LNK30216
C                                                                       LNK30217
C     .....J IS THE NUMBER OF WORDS IN EACH BLOCK.  AFTER THE LAST      LNK30218
C     BLOCK IS READ,J WILL CONTAIN THE SENTINAL 990.  .....             LNK30219
C                                                                       LNK30220    2
      IF(J.NEJ990)GO TO 1                                               LNK30221
  555 DO 8 L=1,200                                                      LNK30236
C                                                                       LNK30237
C     DATA ARRAY COMPLETED WITH NEGATIVE ZEROES. .....                  LNK30238
C                                                                       LNK30239
    8 DATA(L)=-0                                                        LNK30240
      WRITE(9) DATA                                                     LNK30241    14
      READ(1)( DATA(KL),KL=1,200)                                       LNK30242    16
      WRITE(9) DATA                                                     LNK30243    23
      REWIND 1                                                          25
      ENDFILE 9                                                         LNK30244    26
      REWIND 9                                                          LNK30245    27
      PRINT 8000                                                        28
 8000 FORMAT(////18H NETWORK GENERATED///)
      RETURN                                                            LNK30246
    1 READ(1)(BLOCK(KL),KL=1,J)                                         LNK30247    29
      NEXT=0                                                            LNK30248
      K=1                                                               LNK30249
    7 IF(J.LE.K)GO TO 2                                                 LNK30250
      NEXT=0
C                                                                       LNK30251
C     .....WHEN J IS LESS THAN OR EQUAL TO K,BLOCK IS EXHAUSTED.  ..... LNK30252
C                                                                       LNK30253
      M=I+11                                                            LNK30254
      NONEXT=1                                                          LNK30255
      IF(M.LT.200) GO TO 9                                              LNK30256
C                                                                       LNK30257
C     .....FOLLOWING INSTRUCTIONS THROUGH-GO TO 14- MAINTAIN DATA       LNK30258
C     ARRAY SIZE.  .....                                                LNK30259
C                                                                       LNK30260
      N=K                                                               LNK30261
      DO 11 L=I,200                                                     LNK30262
      DATA(L)=BLOCK(N)                                                  LNK30263
   11 N=N+1                                                             LNK30264
      WRITE(9)DATA                                                      LNK30265    55
      M=M-200                                                           LNK30266
      IF(M.GT.0)GO TO 33                                                LNK30267
      I=1                                                               LNK30268
      NEXT=7
```



```
      GO TO 14
   33 DO 12 L=1,M                                                       LNK30270
      DATA(L)=BLOCK(N)                                                  LNK30271
   12 N=N+1                                                             LNK30272
      I=M+1                                                             LNK30273
      NEXT=7
      GO TO 14                                                          LNK30274
    9 N=K-1                                                             LNK30275
      DO 10 L=I,M                                                       LNK30276
      N=N+1                                                             LNK30277
C                                                                       LNK30278
C     .....COMPONENT INFORMATION IS TRANSFERED FROM BLOCK TO DATA.  ....LNK30279
C                                                                       LNK30280
   10 DATA(L)=BLOCK(N)                                                  LNK30281
      NONEXT=1                                                          LNK30282
C                                                                       LNK30283
C     .....NONEXT IS THE LOCATION OF THE NEXT TERMINAL COMPONENT.  .....LNK30284
C                                                                       LNK30285
      I=I+12                                                            LNK30286
   14 K=K+12                                                            LNK30287
      IY=BLOCK(K-1)/262144
C                                                                       LNK30289
C     .....DIVISION BY 262144 PLACES THE DECREMENT OF A WORD IN THE     LNK30290
C     ADDRESS OF THE WORD.  .....                                       LNK30291
C                                                                       LNK30292
C             BLOCK(K-1) IS XANDY                                       LNK30293
      IX=BLOCK(K-1)-IY*262144
      IXY=IX+IY                                                         LNK30295
```

```
C                                                                       LNK30296
C     .....IXY IS THE NUMBER OF CONNECTIONS MADE TO A TERMINAL COMPONENTLNK30297
C                                                                       LNK30298
      DO 20M=1,IXY                                                      LNK30299
C                                                                       LNK30300
C     .....DO 20 PREPARES THE CONNECTION WORD ITEMS CONSISTING OF EACH  LNK30301
C     ADDRESS AND THE CORRESPONDING G-WEIGHT.  .....                    LNK30302
C                                                                       LNK30303
      JBLOC=BLOCK(K)/262144                                             LNK30304
C                                                                       LNK30305
C     .....JBLOC CONTAINS THE LEVEL NUMBER OF AN INITIAL COMPONENT.  ...LNK30306
C                                                                       LNK30307
      IF(JBLOC.NE.0)GO TO 3                                             LNK30308
C                                                                       LNK30309
C     .....IF THE LEVEL IS ZERO,THE ADDRESS PORTION OF DATA WILL CONTAINLNK30310
C     THE FOLLOWING-                                                    LNK30311
      DATA(I)=BLOCK(K)-1+STINP                                          LNK30312
C                                                                       LNK30313
C     .....STINP IS THE ABSOLUTE BEGINNING OF STIMULOUS INPUT.          LNK30314
C     .....BLOCK(K) IS THE STIMULOUS INPUT NUMBER.  .....               LNK30315
      GO TO 444                                                         LNK30316
    3 DO 30 M=1,TABSZ,2                                                 LNK30317
C                                                                       LNK30318
C     .....TABSZ IS THE NUMBER OF WORDS IN ARRAY ASSIGN.  .....         LNK30319
C     .....ARRAY ASSIGN CONTAINS COMPONENT NAMES AND CORRESPONDING      LNK30320
C     MACHINE ADDRESSES.  .....                                         LNK30321
C                                                                       LNK30322
   30 IF(BLOCK(K).EQ.ASSIGN(M))GO TO 6                                  LNK30323
```



```
C                                                                       LNK30324
C     .....BLOCK(K) IS THE COMPONENT NAME.  .....                       LNK30325
C                                                                       LNK30326
      WRITE(6,1111) BLOCK(K)                                            LNK30327   112
 1111 FORMAT(10H COMPONENT,O12,17HCANNOT BE FOUND. )                    LNK30328
      STOP                                                              LNK30329
    6 DATA(I)=ASSIGN(M+1)                                               LNK30330
  444 IF(BLOCK(K+1)) 8889,4,4                                           LNK30331
 8889 DATA(I)=-DATA(I)-32768+BLOCK(K+1)+262144                          LNK30332
C                                                                       LNK30333
C     .....32768 PLACES A ONE IN BIT POSITION TWENTY.  .....            LNK30334
C                                                                       LNK30335
      GO TO 44                                                          LNK30336
    4 DATA(I)=DATA(I)+32768+BLOCK(K+1)+262144                           LNK30337
   44 I=I+1                                                             LNK30338
      IF(I.LE.200)GO TO 20                                              LNK30339
      NEXT=7                                                            LNK30340
      WRITE(9)DATA                                                      LNK30341   134
      I=1                                                               LNK30342
   20 K=K+2                                                             LNK30343
      GO TO 7                                                           LNK30344
      END                                                               LNK30345
```


STORAGE MAP

SUBROUTINE NETAS1

DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
MS	00006	R	MI	00025	R	FPLS	00044	R
FMINS	00063	R	FPLI	00102	R	FMINI	00121	R
BIAS	00140	R	ESUM	00157	R	ASSIGN	02152	I
OUT	04266	I	A	05252	I	B	06236	I
DATA	07222	I	NS	00006	I	NI	00025	I
NPLS	00044	I	NMINS	00063	I	NPLI	00102	I
NMINI	00121	I	NIAS	00140	I	NSUM	00157	I
NGWT	00202	I	GWT	00202	R			

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
X	07532	I	Y	07533	I	TABSZ	07534	I
A1	07535	I	B1	07536	I	ADDR	07537	I
SVAL	07540	I	OUTP1	07541	I	OUTP2	07542	I
OUTP3	07543	I	MSTEP	00003	R	NOT	00001	I
DT	00001	R	NPSLN	00002	I	EPSLN	00002	R
NSTEP	00003	I	NSAT	00004	I	GSATT	00004	R
NOMMG	00005	I	COMMG	00005	R	NCPLS	00176	I
CPLS	00176	R	NCMINS	00177	I	CMINS	00177	R
NCPLI	00200	I	CPLI	00200	R	NCPINI	00201	I
CMINI	00201	R	ITAP	07544	I	JTAP	07545	I
NTAP	07546	I	IVAL	07547	I	OPUT1	07550	R
OPUT2	07551	R	OPUT3	07552	R	J	07553	I
LEVNO	07554	I	GSAT	07555	R	COPG	07556	R
I	07557	I	NUT	07560	I	NEXT	07561	I
CCPLS	07562	R	CCMIN	07563	R	CCPLI	07564	R
CCMINI	07565	R	LINK	07566	I	NONET	07567	I
KK	07570	I	NAME	07571	I	IXANCY	07572	I
XOPLB	07573	R	XOPLA	07574	R	XOPIA	07575	R
XOMIB	07576	R	K	07577	I	L	07600	I
LL	07601	I	MAX	07602	I			

ENTRY POINTS

NETAS1	SECTION	2

SUBROUTINES CALLED

.FVIO.	SECTION	3	.FRDD.	SECTION	4	RPOINT	SECTION	5
.FWRD.	SECTION	6	.FWRB.	SECTION	7	.FRWT.	SECTION	8
NETAS2	SECTION	9	.EXIT.	SECTION	10	.FRTN.	SECTION	11
.FCNV.	SECTION	12	.UNO6.	SECTION	13	.FFIL.	SECTION	14
.FWCR.	SECTION	15	.FBLT.	SECTION	16	.FBDT.	SECTION	17
CC.1	SECTION	18	CC.2	SECTION	19	CC.3	SECTION	20
CC.4	SECTION	21	SYSLOC	SECTION	22			

NETA1 STORAGE MAP

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
4321	11A	07764	4322	18A	07770	5	22A	07773
7010	FORMAT	07631	7015	FORMAT	07636	12	97A	10345
7030	FORMAT	07657	7016	FORMAT	07664	500	270A	11416
7050	FORMAT	07675	15	121A	10460	20	143A	10607
23	131A	10525	21	154A	10654	24	156A	10661
50	184A	11076	7060	FORMAT	07701	25	180A	11071
55	191A	11055	7070	FORMAT	07721	60	194A	11061
65	199A	11073	70	209A	11125	75	213A	11134
66	204A	11104	80	226A	11173	76	218A	11145
85	228A	11200	90	241A	11234	95	243A	11241
86	233A	11211	100	253A	11273	120	259A	11343
1150	FORMAT	07724	1200	273A	11433	1140	FORMAT	07740

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 11463.

NETA2 STORAGE MAP

SUBROUTINE NETAS2

DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
BLOCK	00001	I						

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
COMPND	00765	I	I	00766	I	J	00767	I
NEXT	00770	I	K	00771	I	P	00772	I
NONEXT	00773	I	N	00774	I	IY	00775	I
IX	00776	I	IXY	00777	I	AN	01000	I
JBLOC	01001	I						

ENTRY POINTS

NETAS2	SECTION	2

SUBROUTINES CALLED

.PRDB.	SECTION	3	.FWRB.	SECTION	4	.FBLO.	SECTION	5
.FRWT.	SECTION	6	.FEFT.	SECTION	7	.FPRN.	SECTION	8
.FWRD.	SECTION	9	.EXIT.	SECTION	10	.UN01.	SECTION	11
.PRLR.	SECTION	12	.FBLT.	SECTION	13	.FBDT.	SECTION	14
.UN09.	SECTION	15	.FWLR.	SECTION	16	.FFIL.	SECTION	17
.UN06.	SECTION	18	.FCNV.	SECTION	19	SYSLOC	SECTION	20

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
2	2A	01040	1	29A	01140	555	7A	01053
8	11A	01054	8000	FORMAT	01022	7	37A	01160
9	75A	01270	11	52A	01210	33	63A	01244
14	86A	01316	12	69A	01255	10	80A	01302
20	136A	01530	3	104A	01376	444	117A	01441
30	107A	01404	6	114A	01431	1111	FORMAT	01027
8889	120A	01447	4	125A	01465	44	129A	01502

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01607.

NETSIM 04/14/66 PAGE .

7094 RELMOD ASSEMBLY.

```
$IBLDR NETSIM          14 APR 66                                NETSIM00

$FILE  NETSIM  'FILE2 ',A(4),READY,INPUT,BLK=256,BIN            NETSIM01
```

NETSIM 04/14/66

FILE DICTIONARY.

```
$FDICT NETSIM                                                   NETSIM02
```

```
BINARY CARD ID. NETSIM03
          204002000400  FILE2  FILE   'FILE2                    BIN,INPUT,NOHCVN,BLK=256
          000000000000
          263143250260
          606060606060
          606060606060
```

```
$TEXT  NETSIM                                                    NETSIM04
                 ENTRY   NETSIM                                                    LNK40001
QADDD            MACRO   V1,T1                                                     LNK40002
                 TOV     **1                                                       LNK40003
                 STO     DGVALU        SAVE   DG
                 CAL*    V1,T1           GET GWIEGHT
                 ANA     MASK1         SAVE SIGN AND GWEIGHT
                 XCL
                 XC
                 LRS     1
                 ADD     DGVALU
                 LDQ*    V1,T1                                                     LNK40013
                 TPL     **3
                 TQP     **3           DIFFERENT SIGNS-SET TO ZERO
                 TRA     **3           BOTH SIGNS NEG.--OK
                 TQP     **2           BOTH SIGNS POS.--OK
                 PXD     0,0                                                       LNK40008
                 ALS     1
                 SSP                   ABSOLUTE MAGNITUDE
                 TOV     **2
                 CAS     GSAT                                                      LNK40010
                 CLA     GSAT                                                      LNK40011
                 NOP                                                               LNK40012
                 LLS     0                                                         LNK40014
                 ENDM    QADDD                                                     LNK40015
QMPYF            MACRO   V1,T1                                                     LNK40016
                 TOV     **1                                                       LNK40017
                 MPY     V1,T1                                                     LNK40018
                 STL     OFLOC                                                     LNK40019
                 TOV     OFLOW                                                     LNK40020
                 ENDM    QMPYF                                                     LNK40021
QMPYC            MACRO   V1,T1                                                     LNK40022
                 TOV     **1                                                       LNK40023
                 STL     OFLOC                                                     LNK40024
                 MPY*    V1,T1                                                     LNK40025
                 TOV     OFLOW                                                     LNK40026
                 ENDM    QMPYC                                                     LNK40027
QMPYB            MACRO   V1,T1                                                     LNK40028
                 TOV     **1                                                       LNK40029
                 STL     OFLOC                                                     LNK40030
                 MPY     V1,T1                                                     LNK40031
                 RND                                                               LNK40032
                 TOV     OFLOW                                                     LNK40033
                 ENDM    QMPYB                                                     LNK40034
QFORM            MACRO   V1                                                        LNK40035
                 ANA     MASK1                                                     LNK40036
                 SUB     V1                                                        LNK40037
                 TNZ     ERR1                                                      LNK40038
                 ENDM    QFORM                                                     LNK40039
QADDA            MACRO   V1,T1                                                     LNK40040
                 TOV     **1                                                       LNK40041
                 ARS     4                                                         LNK40042
                 STL     OFLOC                                                     LNK40043
                 ADD     V1,T1                                                     LNK40044
                 TOV     OFLOW                                                     LNK40045
```



```
                 ENDM    QADDA
QMPYA            MACRO   V1,T1                                                     LNK40046
                 TOV     **1                                                       LNK40047
                 STL     OFLOC                                                     LNK40048
                 MPY     V1,T1                                                     LNK40049
                 LLS     2                                                         LNK40050
                 RND                                                               LNK40051
                 TOV     OFLOW                                                     LNK40052
                 ENDM    QMPYA                                                     LNK40053
QADDB            MACRO   V1,T1                                                     LNK40054
                 TOV     **1                                                       LNK40055
                 STL     OFLOC                                                     LNK40056
                 ADD     V1,T1                                                     LNK40057
                 TOV     OFLOW                                                     LNK40058
                 ENDM    QADDB                                                     LNK40059
QATWO            MACRO   V1,T1                                                     LNK40060
                 TOV     **1                                                       LNK40061
                 ARS     5                                                         LNK40062
                 STL     OFLOC                                                     LNK40063
                 ADD     V1,T1                                                     LNK40064
                 TOV     SETSW                                                     LNK40065
                 ENDM    QATWO
QSONE            MACRO   V1,T1                                                     LNK40067
                 TOV     **1
                 ARS     1                                                         LNK40069
                 STL     OFLOC                                                     LNK40070
                 SUB     V1,T1                                                     LNK40071
                 TOV     OFLOC                                                     LNK40072
                 ENDM    QSONE                                                     LNK40073
FILE2            FILE    ,A(4),READY,INPUT,BLK=256,BIN                             LNK40074
00310            OSIZE   EQU     200
04020            Y       EQU     M                                                 LNK40076
04237            C       EQU     NOCOS
00624            M4N     EQU     B4
00623            M4M     EQU     A4
00625            PCENT   EQU     C4
00612            M1TRY   EQU     A1
00624            M4(N)   EQU     B4
00623            M4(M)   EQU     A4
00621            M3(M)   EQU     A3
00622            M3(N)   EQU     B3
```

```
BINARY CARD ID. NETSIM05
00000  1 00000 0 00007  10001  N_TSTN SAVE    (1,2,4)                                    LNK40077
00001  0774 00 2 00000  10000
00002  0774 00 1 00000  10000
00003  0774 00 4 00000  10000
00004  0441 00 0 00006  10001
00005  0020 00 4 00001  10000
00006  0 00000 0 00000  10000
00007  0604 00 0 00006  10001
00010  0634 00 4 13400  10011
00011  0634 00 4 04303  10001
00012  0634 00 4 00003  10001
00013  0634 00 1 00002  10001
00014  0634 00 2 00001  10001

          NETSIM                                                    04/14/66                    PAGE  5
        ASSEMBLED TEXT.

00015  0760 00 0 00016  10000        LNTN
00016  0500 60 4 00003  10000        CLA*    3,4
00017  0601 00 0 04224  10001        STO     NULEVS
00020  0402 00 0 04271  10001        SUB     =1          NO. OF LEVELS -1
00021  0601 00 0 03153  10001        STO     LVCNTR
00022  0500 60 4 00004  10000        CLA*    4,4

BINARY CARD ID. NETSIM06
00023  0601 00 0 00600  10001        STO     READOP
00024  0500 60 4 00005  10000        CLA*    5,4
00025  0601 00 0 00601  10001        STO     NUMIN
00026  0500 60 4 00006  10000        CLA*    6,4
00027  0601 00 0 00602  10001        STO     NAMES
00030  0500 60 4 00007  10000        CLA*    7,4
00031  0601 00 0 03661  10001        STO     KEYS
00032  0500 60 4 00010  10000        CLA*    8,4
00033  0601 00 0 00575  10001        STO     ISM
                                     CALL    READCC(INDICT,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
00034  000000000000     00010        ETC     FFSWT,Y,GWPC,MGPR,C,COMBIN)
00034  0074 00 4 1.400  10011
00035  1 00022 0 00424  10011
00036  0 04303 0 00160  10100
00037  0 00000 0 04235  10001
00040  0 00000 0 00612  10001
00041  0 00000 0 00615  10001
00042  0 00000 0 00616  10001
00043  0 00000 0 00617  10001
00044  0 00000 0 00620  10001

BINARY CARD ID. NETSIM07
00045  0 00000 0 00621  10001
00046  0 00000 0 00622  10001
00047  0 00000 0 00623  10001
00050  0 00000 0 00624  10001
00051  0 00000 0 00625  10001
00052  0 00000 0 04130  10001
00053  0 00000 0 04233  10001
00054  0 00000 0 04020  10001
00055  0 00000 0 00614  10001
00056  0 00000 0 00613  10001
00057  0 00000 0 04237  10001
00060  0 00000 0 03005  10001
00061  000000000000     00010        CALL    TPCK(READOP,NUMIN,NAMES)
00061  0074 00 4 13000  10011
00062  1 00003 0 00405  10011
00063  0 04303 0 00162  10100
00064  0 00000 0 00600  10001
00065  0 00000 0 00601  10001
00066  0 00000 0 00602  10001

BINARY CARD ID. NETSIM08
00067  0074 00 4 14000  10011        TSX     .OPEN,4                                    LNK40080
00070  0 00000 0 04001  10010        PZE     FILE2
00071  0074 00 4 14400  10011        TSX     .READ,4     SKIPS CONTROL RECORD
00072  0 00203 0 04001  10110        PZE     FILE2,,EOB2
00073  0 00462 0 00474  10101        PZE     EOT,,IREAD                                 LNK40229

          NETSIM                                                    04/14/66                    PAGE  6
        ASSEMBLED TEXT.

00074  3 00000 2 00000  10000        IORTN   **,,**
00075  0441 00 0 04235  10001        LDI     INDICT                                     LNK40082
00076  0500 00 0 03005  10001        CLA     COMBIN
00077  0100 00 0 00402  10011        TZE     **2
00100  000000000000     00010        CALL    COMB(KEYCOM,COMBIN)
00100  0074 00 4 04400  10011
00101  1 00002 0 00404  10011
00102  0 04303 0 00174  10100
00103  0 00000 0 03006  10001
00104  0 00000 0 03005  10001
00105  000000000000     00010        CALL    RONET(SKIP,NETTAP,NETMAX)                  LNK40083
00105  0074 00 4 05400  10011
00106  1 00003 0 00405  10011
00107  0 04303 0 00175  10100
```

```
BINARY CARD ID. NETSIN09
      00110  0 00000 0 30047  10000
      00111  0 00000 0 04225  10001
      00112  0 00000 0 04234  10001

                                          CALL NETCHG(DT,EPSLN,NSTEP,GSAT,NS,NI,FPLS,FRINS,FPLI,FRINI,
      00113  0000000C3000      00010     ETC     ESUM,NEXT,MULEVS,ISR,SNEXT)
      00113  0074 00 4 02400   10011
      00114  1 30017 0 00421   10011
      00115  0 04303 0 00176   10100
      00116  0 00000 0 30050   10000
      00117  0 00000 0 30051   10000
      00120  0 00000 0 30052   10000
      00121  0 00000 0 30053   10000
      00122  0 00000 0 30055   10000
      00123  0 00000 0 30056   10000
      00124  0 00000 0 30057   10000
      00125  0 00000 0 30060   10000
      00126  0 00000 0 30061   10000
      00127  0 00000 0 30062   10000
      00130  0 00000 0 30064   10000
      00131  0 00000 0 30303   10000

BINARY CARD ID. NETSIN10
      00132  0 00000 0 04224   10001
      00133  0 00000 0 00575   10001
      00134  0 00000 0 30303   10000
      00135  0500 00 0 30047   10000          CLA     SKIP                                          LNK40088
      00136  0771 00 0 00022   10000          ARS     18                                              B
      00137  0601 00 0 03721   10001          STD     OPSNUM                                        LNK40089
      00140  0534 00 2 30047   10000          LXA     SKIP,2        ON-SKIP TAPE                    LNK40088
      00141  0600 00 0 30047   10000          STZ     SKIP        REMOVE OPSNUM FROM DECREMENT OF SKIP.
      00142  0634 00 2 30047   10000          SXA     SKIP,2
      00143  0500 00 0 00601   10001          CLA     NUMBER
      00144  0340 00 0 00603   10001          CAS     C253
      00145  0020 00 0 00403   10011          TRA     **3
      00146  0020 00 0 00452   10001          TRA     CMIOXY      ONE RECORD INPUT
      00147  0020 00 0 00452   10001          TRA     CMIOXY
      00150  0760 00 0 00144   10000          SLN     4           TWO RECORD INPUT
      00151  0500 00 0 03661   10001  RECSKP  CLA     KEYS        TEST FOR RESTART
      00152  4320 00 9 00205   10001          ANA     FOUR
      00153  0100 00 0 00162   10001          TZE     FCHG                DO NOT SKIP               LNK40086
                                                                                                     LNK40087

          NETSIN
       ASSEMBLED TEXT.                                    04/14/66                          PAGE  7

      00154  7 00000 2 00162   10001          TXL     FCHG,2,0          SKIP ZERO RECORDS           LNK40089
BINARY CARD ID. NETSIN11
      00155  0074 00 4 14400   10011          TSX     .READ,4           SKIP A RECORD               LNK40090
      00156  0 00203 0 04001   10110          PZE     FILE2,,EOB2        ON THE INPUT               LNK40091
      00157  0 00462 0 00474   10101          PZE     EOT,,IREAD          TAPE                      LNK40092
      00160  3 00000 2 00200   10000          IORTN   **,,**                                        LNK40093
      00161  2 00001 2 40404   10011          TIX     *-4,2,1
      00162  0500 00 0 04233   10001  FCHG    CLA     FFSWT                                         LNK40095
      00163  0100 00 0 00200   10001          TZE     FFL4                                          LNK40096
      00164  0534 00 2 04237   10001          LXA     MOCOS,2           STORE NEW FIX-FORGET VALUES LNK40097
      00165  0774 00 1 00004   10000  FFL1    AXT     4,1                                           LNK40098
      00166  0500 00 1 04134   10001  FFL2    CLA     FFSPC+6,1                                     LNK40099
      00167  0601 00 1 30063   10000  FFL3    STO     LEVEL+7,1                                     LNK40100
      00170  2 00001 1 00166   10001          TIX     FFL2,1,1                                      LNK40101
      00171  0500 00 0 00166   10001          CLA     FFL2                                          LNK40102
      00172  0400 00 0 00205   10001          ADD     FOUR                                          LNK40103
      00173  0621 00 0 00166   10001          STA     FFL2                                          LNK40104
      00174  0500 00 0 00167   10001          CLA     FFL3                                          LNK40105
      00175  0400 00 0 00206   10001          ADD     C10                                           LNK40106
      00176  0621 00 0 00167   10001          STA     FFL3                                          LNK40107
      00177  2 00001 2 00155   10001          TIX     FFL1,2,1                                      LNK40108
BINARY CARD ID. NETSIN12
      00200  0441 00 0 04235   10001  FFL4    LDI     INDICT
      00201  0020 00 0 00207   10001          TRA     SCHED
      00202  0000 00 0 00400   10011  EOB     HTR     *                                             LNK40124
      00203  0000 00 0 00400   10011  EOB2    HTR     *                                             LNK40125
      00204  0 00000 0 30047   10000  CINIT           SKIP                                          LNK40126
      00205  000000000004      10000  FOUR    DEC     4                                             LNK40127
      00206  000000000012      10000  C10     DEC     10                                            LNK40128
                                                                                                     LNK40129

          NETSIN
       ASSEMBLED TEXT.                                    04/14/66                          PAGE  8

                                  * INPT   SCCHEDULE ROUTINE
      00207  0441 00 0 04235   10001  SCHED   LDI     INDICT                                        LNK40131
      00210  0054 00  000004   10000          RFT     4
      00211  0020 00 0 00231   10001          TRA     MODE1
      00212  0054 00  000010   10000          RFT     10                                            LNK40135
      00213  0020 00 0 00243   10001          TRA     MODE2                                         LNK40136
      00214  0054 00  000020   10000          RFT     20                                            LNK40137
      00215  0020 00 0 00305   10001          TRA     MODE3                                         LNK40138
      00216  0054 00  000040   10000          RFT     40                                            LNK40139
      00217  0020 00 0 00330   10001          TRA     MODE4                                         LNK40140
      00220  000000000000      00010          CALL    .FPRN.(BCDC)'1746'                            LNK40141
      00220  0074 00 4 05000   10011                                                                LNK40142
      00221  1 00001 0 00403   10011
```

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BINARY CARD ID. NETSIN13
        00222  0 04303 0 03322  10100
        00223  0 00000 0 00445  10001
        00224  000000000003     00010          CALL    .FFIL.                                          LNK40143
        00224  0074 00 4 00400  10011
        00225  1 00000 0 00402  10011
        00226  0 04303 0 00264  10100
        00227  0420 00 0 00001  10000          MPR     1                                               LNK40144
        00230  0020 00 0 40401  10001          TRA     *-1                                             LNK40145
        00231  4760 00 0 00142  10000  MODE1   SLT     2                 WAS OUTPUT CORRECT            LNK40146
        00232  0020 00 0 00237  10001          TRA     M1A               OFF-INCORRECT                 LNK40147
        00233  0074 00 4 00420  10001  M1      TSX     INPUT,4           ON-READ NEW INPUT             LNK40148
        00234  0534 00 4 00612  10001          LXA     M1TRY,4           LOAD NUMBER OF TRIES          LNK40149
        00235  0634 00 4 00640  10001          SXA     READS,4                                         LNK40150
        00236  0020 00 0 00704  10001          TRA     BEGIN                                           LNK40151
        00237  0534 00 4 00640  10001  M1A     LXA     READS,4           TEST FOR MAXIMUM TRIES        LNK40152
        00240  6 00001 4 00233  10001          TNX     M1,4,1                                          LNK40153
        00241  0634 00 4 00640  10001          SXA     READS,4                                         LNK40154
        00242  0020 00 0 00704  10001          TRA     BEGIN                                           LNK40155
        00243  4760 00 0 00142  10000  MODE2   SLT     2              TEST FOR CORREST RESPONSE

BINARY CARD ID. NETSIN14
        00244  0020 00 0 00303  10001          TRA     M5E            NO--OFF
        00245  0534 00 1 00610  10001          LXA     D(2),1         YES--ON
        00246  6 00001 1 00257  10001          TNX     M5C,1,         D2 VAULES CONSECUTIVELY CORRECT
        00247  0634 00 1 00610  10001  M5A     SXA     D(2),          SAVE D(2)
        00250  0534 00 1 00607  10001          LXA     C(2),1         TESTC(2)--NUMBER OF TRIES FOR D2
        00251  6 00001 1 00257  10001          TNX     M5C,1,         C2 TRIES FOR D2 CONSECUTIVELY CORRECT
        00252  0634 00 1 00607  10001          SXA     C(2),1         RESPONSES --SAVE C(2)
        00253  0074 00 4 00376  10001          TSX     DOUBSR,4
        00254  0500 00 0 04005  10001          CLA     ONE
        00255  0074 00 4 00420  10001  M5B     TSX     INPUT,4
        00256  0020 00 0 00704  10001          TRA     BEGIN
        00257  0500 00 0 00620  10001  M5C     CLA     D2             RESET D(2)
        00260  0601 00 0 00610  10001          STO     D(2)
        00261  0500 00 0 00617  10001          CLA     C2
        00262  0601 00 0 00607  10001          STO     C(2)           RESET C(2)
        00263  0534 00 1 00605  10001          LXA     A(2),1         TEST NUMBER OF INPUTS PER CYCLE
        00264  2 00001 1 00301  10001          TIX     M5F,1,1        MORE INPUTS
        00265  0534 00 1 00606  10001          LXA     B(2),1         TEST NUMBER OF CYCLES
        00266  6 00001 1 00276  10001          TNX     M5G,1,         NO MORE COCLES

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BINARY CARD ID. NETSIN15
        00267  0634 00 1 00606  10001          SXA     B(2),1         SAVE NUMBER OF CYCLES REMAINING
        00270  0074 00 4 00376  10001          TSX     DOUBSR,4
        00271  0500 00 0 00615  10001          CLA     A2
        00272  0500 00 0 00615  10001          CLA     A2             RESET COUNTER OF INPUT NAMES
        00273  0601 00 0 00605  10001          STO     A(2)
        00274  0074 00 4 00522  10001          TSX     MESS,4         WRITE CYCLE RESPONSE MESSAGE
        00275  0020 00 0 00255  10001          TRA     M5B
        00276  0500 00 0 00616  10001  M5D     CLA     B2             RESET CYCLE INDEX
        00277  0601 00 0 00606  10001          STO     B(2)
        00300  0534 00 1 00615  10001          LXA     A2,1           RESET INPUT COUNTER INDEX
        00301  0634 00 1 00605  10001  M5F     SXA     A(2),1
        00302  0020 00 0 00255  10001          TRA     M5B
        00303  0534 00 1 00620  10001  M5E     LXA     D2,1           RESET CONSECUTIVELY CORRECT RESPONSE INDEX
        00304  0020 00 0 00247  10001          TRA     M5A
        00305  0534 00 4 00642  10001  MODE3   LXA     MINPS,4              HAVE M INPUTS BEEN READ        LNK40163
        00306  6 00001 4 00312  10001          TNX     M3A,4,1                                             LNK40164
        00307  0634 00 4 00642  10001          SXA     MINPS,4              NO-READ NEXT INPUT             LNK40165
        00310  0074 00 4 00420  10001  M3      TSX     INPUT,4                                             LNK40166
        00311  0020 00 0 00704  10001          TRA     BEGIN                                               LNK40167

BINARY CARD ID. NETSIN16
        00312  0534 00 2 00621  10001  M3A     LXA     M3(M),2          YES-RESET M COUNTER               LNK40168
        00313  0634 00 2 00642  10001          SXA     MINPS,2                                            LNK40169
        00314  0074 00 4 00522  10001          TSX     MESS,4         WRITE CYCLE RESPONSE MESSAGE
        00315  0534 00 4 00643  10001          LXA     NCYCS,4          HAVE N CYCLES BEEN READ           LNK40170
        00316  2 00001 4 00322  10001          TIX     M3B,4,1
        00317  0534 00 2 00622  10001          LXA     M3(N),2              YES-RESET N COUNTER           LNK40172
        00320  0634 00 2 00643  10001          SXA     NCYCS,2                                            LNK40173
        00321  0020 00 0 00326  10001          TRA     M3C                                                LNK40174
        00322  0634 00 4 00643  10001  M3B     SXA     NCYCS,4          NO--BSP M TIMES                   LNK40181
        00323  0074 00 4 00376  10001          TSX     DOUBSR,4
        00324  0500 00 0 00621  10001          CLA     M3(M)
        00325  0441 00 0 04235  10001          LDI     INDICT
        00326  0074 00 4 00420  10001  M3C     TSX     INPUT,4                                            LNK40182
        00327  0020 00 0 00704  10001          TRA     BEGIN                                              LNK40183
        00330  0500 00 0 00641  10001  MODE4   CLA     TOTAL                ADD ONE TO TOTAL TRIES        LNK40184
        00331  0400 00 0 04005  10001          ADD     ONE                                                LNK40185
        00332  0601 00 0 00641  10001          STO     TOTAL                                              LNK40186
        00333  4760 00 0 00142  10000          SLT     2                    WAS LAST RESPONSE CORRECT     LNK40187
        00334  0020 00 0 00340  10001          TRA     M4                   N/                            LNK40188

BINARY CARD ID. NETSIN17
        00335  0500 00 0 00644  10001          CLA     RESCT                YES-ADD 1 TO COUNT            LNK40189
        00336  0400 00 0 04005  10001          ADD     ONE                                                LNK40190
        00337  0601 00 0 00644  10001          STO     RESCT                                              LNK40191
        00340  0534 00 4 00642  10001  M4      LXA     MINPS,4              HAVE M INPUTS BEEN READ       LNK40192
        00341  6 00001 4 00345  10001          TNX     M4A,4,1                                            LNK40193
        00342  0634 00 4 00642  10001          SXA     MINPS,4              NO-READ NEW RECORD            LNK40194
        00343  0074 00 4 00420  10001          TSX     INPUT,4                                            LNK40195
        00344  0020 00 0 00704  10001          TRA     BEGIN                                              LNK40196
        00345  0534 00 2 00623  10001  M4A     LXA     M4(M),2
        00346  0634 00 2 00642  10001          SXA     MINPS,2                                            LNK40198
        00347  0074 00 4 00522  10001          TSX     MESS,4         WRITE CYCLE RESPONSE MESSAGE
        00350  0500 00 0 00644  10001          CLA     RESCT                CALCULATE PERCENT             LNK40199
        00351  0560 00 0 04004  10001          LDQ     ZERO                                               LNK40200
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00352  0221 00 0 00641  10001        DVP    TOTAL                                          LNK40201
00353  0760 00 0 00012  10000        OCT                                                   LNK40202
00354  0020 00 0 00360  10001        TRA    M48                CORRECT RESPONSE ON EACH INPUT LNK40203
00355  0131 00 0 00000  10000        XCA                                                   LNK40204
00356  0402 00 0 00625  10001        SUB    PCENT              IS PERCENT GREATER          LNK40205
00357  4120 00 0 00366  10001        TMI    M4C                THAN SPECIFIED ONE          LNK40206
                                  *                        YES-RESET N COUNTER             LNK40207

BINARY CARD ID. NETSIN18
00360  0534 00 4 00624  10001  M48   LXA    M4(N),4                                        LNK40208
00361  0634 00 4 00643  10001        SXA    NCYCS,4                                        LNK40209
00362  0074 00 4 00420  10001        TSX    INPUT,4            READ NEW RECORD             LNK40210
00363  0600 00 0 00644  10001        STZ    RESCT                                          LNK40211
00364  0600 00 0 00641  10001        STZ    TOTAL                                          LNK40212
00365  0020 00 0 00704  10001        TRA    BEGIN                                          LNK40213
00366  0534 00 4 00643  10001  M4C   LXA    NCYCS,4            HAVE N CYCLES BEEN READ     LNK40214
00367  6 00001 4 00360  10001        TNX    M48,4,1
00370  0634 00 4 00643  10001        SXA    NCYCS,4            NO--BSP N TIMES             LNK40216
00371  0074 00 4 00376  10001        TSX    DOUBSR,4
00372  0500 00 0 00623  10001        CLA    M4(N)          BACKSPACE M4(N) INPUTS
00373  0441 00 0 04235  10001        LDI    INDICT
00374  0074 00 4 00420  10001        TSX    INPUT,4            READ CYCLE AGAIN            LNK40223
00375  0020 00 0 00704  10001        TRA    BEGIN                                          LNK40224
00376  0634 00 4 00415  10001  DOUBSR SXA    OUTBSR,4
00377  0522 60 4 00001  10000        XEC    1,4            CLA NUMBER OF INPUTS
00400  4760 00 0 00144  10000        SLT    4
00401  0020 00 0 00403  10011        TRA    **3            ONE RECORD INPUT
00402  0760 00 0 00144  10000        SLN    4              SLN-TWO RECORD INPUT--RESET

BINARY CARD ID. NETSIN19
00403  0400 60 4 00001  10000        ADD*   1,4            DOUBLE NO. OF INPUTS FOR RECORD COUNT
00404  0734 00 2 00000  10000        PAX    0,2
00405  000000000000     00010  BACK  CALL   .FBST.(ZZZ)
00405  0074 00 4 10000  10011
00406  1 00001 0 00403  10011
00407  0 04303 0 00446  10100
00410  0 00000 0 00417  10001
00411  0500 00 0 30047  10000        CLA    SKIP
00412  0402 00 0 04005  10001        SUB    ONE
00413  0601 00 0 30047  10000        STO    SKIP
00414  2 00001 2 00405  10001        TIX    BACK,2,1
00415  0774 00 4 00000  10000  OUTBSR AXT    **,4
00416  0020 00 4 00002  10000        TRA    2,4
00417  0 00000 0 04001  10010  ZZZ   PZE    FILE2
00420  0634 00 4 00445  10001  INPUT SXA    IPTRA,4            READ NEXT RECORD FROM       LNK40225
00421  000000000000     00010        CALL   .FWRD.(.UNG6.,TCYCL)'7000'
00421  0074 00 4 11400  10011
00422  1 00002 0 00404  10011
00423  0 04303 0 15530  10100

BINARY CARD ID. NETSIN20
00424  0 00000 0 15000  10011
00425  0 00000 0 00627  10001
00426  0500 00 0 00605  10001        CLA    A(2)
00427  0074 00 4 15400  10011        TSX    .FCNV.,4
00430  0500 00 0 00607  10001        CLA    C(2)
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00431  0074 00 4 15400  10011        TSX    .FCNV.,4
00432  0500 00 0 00610  10001        CLA    D(2)
00433  0074 00 4 15400  10011        TSX    .FCNV.,4
00434  000000000000     00010        CALL   .FFIL.'7000'
00434  0074 00 4 06400  10011
00435  1 00000 0 00402  10011
00436  0 04303 0 15530  10100
00437  0074 00 4 14400  10011  READ  TSX    .READ,4                                        LNK40227
00440  0 00203 0 04001  10110        PZE    FILE2,,EOB2                                    LNK40228
00441  0 00462 0 00474  10101        PZE    EOT,,IREAD
00442  2 00400 0 27046  10000  ICOMM IORP   NOCNT,,256
00443  4 00001 2 00000  10000        IOCPN  **,,1
00444  3 00377 0 27446  10000        IORT   NOCNT+256,,255
00445  0774 00 4 00000  10000  IPTRA AXT    **0,4                                          LNK40231

BINARY CARD ID. NETSIN21
00446  0500 00 0 30047  10000        CLA    SKIP               ADD TO NUMBER OF RECORDS READ LNK40232
00447  0400 00 0 04006  10001        ADD    TWO
00450  0601 00 0 30047  10000        STO    SKIP                                           LNK40234
00451  0020 00 4 00001  10000        TRA    1,4                                            LNK40235
00452  4500 00 0 00574  10001  CHIOXY CAL    ONEREC         IOCD FOR ON RED. SENORY INPUT.
00453  0602 00 0 00442  10001        SLW    ICOMM
00454  0500 00 0 00573  10001        CLA    NOPP
00455  0601 00 0 00443  10001        STO    ICOMM+1
00456  0601 00 0 00444  10001        STO    ICOMM+2
00457  0500 00 0 00576  10001        CLA    WDONE          MODIFY REDORD COUNTER
00460  0621 00 0 00447  10001        STA    IPTRA+2
00461  0020 00 0 00151  10001        TRA    RECSKP         RETURN TO PROGRAM
00462  000000000000     00010  IREAD CALL   .FPRN.(BCDE)'1R66'                             LNK40236
00462  0074 00 4 05000  10011
00463  1 00001 0 00403  10011
00464  0 04303 0 03512  10100
00465  0 00000 0 00664  10001
00466  000000000000     00010        CALL   .FFIL.                                         LNK40237
00466  0074 00 4 06400  10011
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BINARY CARD ID. NETSIN22
        00467  1 00000 0 00402  10011
        00470  0 04303 0 00513  10100
        00471  0020 00 0 00001  10000          NPR     1                                                    LNK40238
        00472  0020 00 0 40401  10011          TRA     *-1                                                  LNK40239
        00473  0000 00 0 00400  10011          NTR     *                                                    LNK40240
        00474  0074 00 4 16000  10011  EOT     TSX     .CLOSE.,4              CLOSE DATA FILE               LNK40241
        00475  0 00000 0 04001  10010          PZE     FILE2                                                LNK40242
        00476  000000000000     00010          CALL    .FPRM.(EMBIP)''875'                                  LNK40243
        00476  0074 00 4 05000  10011
        00477  1 00001 0 00403  10011
        00500  0 04303 0 03523  10100
        00501  0 00000 0 00673  10001
        00502  000000000000     00010          CALL    .FFIL.                                               LNK40244
        00502  0074 00 4 06400  10011
        00503  1 00000 0 00402  10011
        00504  0 04303 0 00522  10100
        00505  000000000000     00010          CALL    .FWRD.(.UN06..FNOIP)''1876'                          LNK40245
        00505  0074 00 4 11400  10011
        00506  1 00002 0 00404  10011

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BINARY CARD ID. NETSIN23
        00507  0 04303 0 03524  10100
        00510  0 00000 0 15000  10011
        00511  0 00000 0 00673  10001
        00512  000000000000     00010          CALL    .FFIL.                                               LNK40246
        00512  0074 00 4 06400  10011
        00513  1 00000 0 00402  10011
        00514  0 04303 0 00524  10100
        00515  000000000000     00010          CALL    .FEFT.(.UN03.)                                       LNK40247
        00515  0074 00 4 10400  10011
        00516  1 00001 0 00403  10011
        00517  0 04303 0 00525  10100
        00520  0 00000 0 16400  10011
        00521  0020 00 0 03201  10001          TRA     WRES                                                 LNK40249
        00522  0634 00 4 00551  10001  MESS    SXA     MESSED+1,4
        00523  0500 00 0 00572  10001          CLA     MESSAG         WRONG RESPONSE COUNTER/CYCLE
        00524  4100 00 0 00536  10001          TNZ     MESSAB         WRONG RESPONSE IN THIS CYCLE
        00525  000000000000     00010  MESSG   CALL    .FWRD.(.UN06..MESSR)
        00525  0074 00 4 11400  10011
        00526  1 00002 0 00404  10011

BINARY CARD ID. NETSIN24
        00527  0 04303 0 00532  10100
        00530  0 00000 0 15000  10011
        00531  0 00000 0 00553  10001
        00532  000000000000     00010          CALL    .FFIL.
        00532  0074 00 4 06400  10011
        00533  1 00000 0 00402  10011
        00534  0 04303 0 00535  10100
        00535  0020 00 0 00550  10001          TRA     MESSED
        00536  000000000000     00010  MESSAB CALL    .FWRD.(.UN06..MESSW)
        00536  0074 00 4 11400  10011
        00537  1 00002 0 00404  10011
        00540  0 04303 0 00535  10100
        00541  0 00000 0 15000  10011
        00542  0 00000 0 00562  10001
        00543  0500 00 0 00572  10001          CLA     MESSAG
        00544  0074 00 4 15400  10011          TSX     .FCNV.,4
        00545  000000000000     00010          CALL    .FFIL.
        00545  0074 00 4 06400  10011
        00546  1 00000 0 00402  10011

BINARY CARD ID. NETSIN25
        00547  0 04303 0 00540  10100
        00550  0600 00 0 00572  10001  MESSED STZ     MESSAG
        00551  0774 00 4 00000  10000          AXT     **,4
        00552  0020 00 4 00001  10000          TRA     1,4
        00553  740305300145     10000  MESSR   BCI     7,(35H1NO INCORRECT RESPONSES THIS CYCLE.)
        00554  466331452346     10000
        00555  515125236360     10000
        00556  512562474645     10000
        00557  622162606330     10000
        00560  316260237023     10000
        00561  432533346060     10000
        00562  740305300160     10000  MESSW   BCI     8,(35H1 INCORRECT RESPONSES THIS CYCLE = ,I4)
        00563  314523465151     10000

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        00564  252363605125     10000
        00565  624746456225     10000
        00566  626063303162     10000
        00567  602370234325     10000
        00570  607360733104     10000
        00571  346060606060     10000
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BINARY CARD ID. NETSIN26
      00572  0 00000 0 00000  10000  MESSAG PZE     0
                                      * STOAGE FOR SCHEDULE ROUTINE                                          LNK40250
      00573  0761 00 0 00000  10000  NOPP   NOP
      00574  3 00400 0 27066  10000  ONEREC IORT    NOCNT,,256
                     39303            SNEXT  EQU     NEXT
      00575  0 00000 0 00000  10000    ISM  PZE     0
      00576  0 00000 0 00001  10001  NONE   PZE     ONE
      00577  000000000003     10000  THREE  DEC     3
      00600  0 00000 0 00000  10000  READOP PZE     0
      00601  0 00000 0 00000  10000  NWMIN  PZE     0
      00602  0 00000 0 00000  10000  NWPES  PZE     0
      00603  000000000375     10000  C253   DEC     253
      00604  0 00000 0 00000  10000  BIASCH PZE     0
      00605  0 00000 0 00000  10000  A(2)   PZE     0
      00606  0 00000 0 00000  10000  B(2)   PZE     0
      00607  0 00000 0 00000  10000  C(2)   PZE     0
      00610  0 00000 0 00000  10000  D(2)   PZE     0
      00611  0 00000 0 00000  10000  CNTR   PZE     0
      00612  200000000001     00001  A1     BSS     1
      00613  200000000001     00001  NOPR   BSS     1
      00614  200000000001     00001  CMPC   BSS     1

BINARY CARD ID. NETSIN27
      00615  200000000001     00001  A2     BSS     1
      00616  200000000001     00001  B2     BSS     1
      00617  200000000001     00001  C2     BSS     1
      00620  200000000001     00001  D2     BSS     1
      00621  200000000001     00001  A3     BSS     1
      00622  200000000001     00001  B3     BSS     1
      00623  200000000001     00001  A4     BSS     1
      00624  200000000001     00001  B4     BSS     1
      00625  200000000001     00001  C4     BSS     1
      00626  000000100000     10000  K20    OCT     100000
      00627  740730604431     10000  TCYCL  BCI     09,(7H NINPS=,O12,5X,7H NCYCS=,O12,5X,8H INDICT=,O12////)
      00630  454762137346     10000
      00631  010273055773     10000
      00632  073060452370     10000
      00633  236213734601     10000
      00634  027305677310     10000
      00635  306031452431     10000
      00636  236313734601     10000
      00637  026161616134     10000

BINARY CARD ID. NETSIN28
      00640  0 00000 0 00000  10000  READS                                  INDEX FOR NITRY                LNK40255
      00641  0 00000 0 00000  10000  TOTAL                                                                 LNK40256
      00642  0 00000 0 00000  10000  NINPS                                  INDEX FOR M3(N)                LNK40257
      00643  0 00000 0 00000  10000  NCYCS                                  INDEX FOR M3(N)                LNK40258


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      00644  0 00000 0 00000  10000  RESCT                                  CORRECT RESPONSE CO NT         LNK40259
      00645  740111306031     10000  BCDC   BCI     5,(19H ILLEGAL INPUT MODE////)                         LNK40261
      00646  436325272143     10000
      00647  603145476463     10000
      00650  604446242561     10000
      00651  616161346060     10000
      00652  740407306051     10000  BCDD   BCI     9,(47H RAISE SIGN BIT TO REPEAT NEXT INPUT, HIT START/// LNK40262
      00653  213162256062     10000
      00654  312745602231     10000
      00655  636063466051     10000
      00656  254725216360     10000
      00657  452567636031     10000
      00660  454764637360     10000
      00661  303163606263     10000
      00662  215163616161     10000

BINARY CARD ID. NETSIN29
      00663  613460606060     10000         BCI     1,/)                                                   LNK40263
      00664  740202306031     10000  BCDE   BCI     7,(22H INPUT TAPE UNREADABLE////)                      LNK40264
      00665  456746636063     10000
      00666  214725606445     10000
      00667  512521242122     10000
      00670  432561616161     10000
      00671  346060606060     10000
      00672  606060606060     10000
      00673  746161610306     10000  ENDIP  BCI     8,(///36H END OF INPUT. SIMULATION COMPLETE. /1H1)     LNK40265
      00674  306025452460     10000
      00675  462660314547     10000
      00676  646333606231     10000
      00677  446443216331     10000
      00700  464560234644     10000
      00701  474325632533     10000
      00702  606101300134     10000
      00703  0000 00 0 00400  10011  BOF    HTR     *                                                      LNK40266
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                                    *  NETORK SIIMULATION PROGRAM                                          LNK40268
                                    *                                 SENSE SWITCH 1 OPERATOR CONTROL OF INP   LNK40269
                                    *                                 SENSE SWITCH 2 UP DO NOT CONVERT INPUT   LNK40270
                                    *                                 SENSE SWITCH 2 DOWN - CONVERT INPUT      LNK40271
                                    *                                 SENSE LIGHT 1=NEGATIVE G-SET             LNK40272
                                    *                                 SENSE LIGHT 2=CORRECTNESS OF OUTPUT      LNK40273
                                    *                                 SENSE LIGHI 3=CONVERGENCE OF OUTPUT      LNK40274
                                    *                                 INDICATOR BIT 2=OMIT I COMPUTE FOR       LNK40275
                                    *                                 ITERATION                                LNK40276
                                    *                                 INDICATOR BIT 3=INPUT MODE 1             LNK40277
                                    *                                 INDICATOR BIT 4 = INPUT MODE 2           LNK40278
                                    *                                 INDICATOR BIT 5 = INPUT MODE 3           LNK40279
                                    *                                 INDICATOR BIT 6 = INPUT MODE 4           LNK40280
                                    *                                 INDICATOR BIT 7 ON=MANUAL CHANGE OF MS   LNK40281
                                    *                                 8 ON=MANUAL CHANGE OF BIAS               LNK40282
                                    *                                 9 ON = SUM. MODE FOR DECISION PROCEDUR   LNK40283
                                    *                                 9 OFF=MAXIMUM MODE                       LNK40284
                                    *                                 10 ON=PRINT G-SETS                       LNK40285
                     00031          TRYS   EQU     25                     MAXIMUM NO. OF ITERATIONS           LNK40286
                                    *                                 TRIALS FOR CONVERGENCE                   LNK40287
00704  0774 00 1 00000  10000  BEGIN  AXT     0,1                          SET LEVEL=1                        LNK40289
00705  0634 00 1 00723  10001         SXA     LEVIR,1                      SET TO FIRST COMPONENT             LNK40290

BINARY CARD ID. NETSIM30
00706  0500 00 0 04005  10001         CLA     ONE                                                             LNK40291
00707  0601 00 0 04023  10001         STO     LEVCT                        SET LEVEL TO 1 FOR PRINTING        LNK40292
00710  0441 00 0 04235  10001         LDI     INDICT
00711  0055 00  000100  10000         SIR     100                  LEVEL SUMMING-QATKO TOV SIGNAL
00712  0057 00  000200  10000         KIR     200
00713  0604 00 0 04235  10001         STI     INDICT
00714  0500 00 1 30055  10000  SAVEM  CLA     MS,1                                                            LNK40293
00715  0601 00 0 04036  10001         STO     OLDMS                                                           LNK40294
00716  0600 00 1 30063  10000         STZ     BIAS,1
00717  0500 00 0 00573  10001         CLA     NOPP
00720  0601 00 0 01262  10001         STO     REVER1
00721  0601 00 0 01361  10001         STO     REVER2
00722  0600 00 0 04017  10001  ZITER  STZ     TRIAL                        RESET LEVEL ITERATION COUNTER      LNK40295
00723  0774 00 2 00000  10000  LEVIR  AXT     **0,2                        BEGINNING OF LEVEL(ZSTCOMP)        LNK40296
00724  0600 00 0 04015  10001         STZ     OSUM                         INITIALIZE OF OUTPUTS              LNK40297
00725  0600 00 0 04024  10001         STZ     COMCT                                                           LNK40298
00726  0774 00 6 00000  10000         AXT     0,6
00727  0634 00 2 00771  10001  BECOM  SXA     AXT2,2                       BEGINNING OF COMPONENT             LNK40299
00730  0634 00 1 00772  10001         SXA     LEV1,1                       SAVE LEVEL NUMBER                  LNK40300

BINARY CARD ID. NETSIM31
00731  0760 00 0 00016  10000         LMTM
00732  0500 00 0 04024  10001         CLA     COMCT                                                           LNK40301
00733  0400 00 0 04005  10001         ADD     ONE                                                             LNK40302
00734  0601 00 0 04024  10001         STO     COMCT                                                           LNK40303
00735  0500 00 2 30316  10000         CLA     XANDY,2                                                         LNK40304
00736  4734 00 4 00000  10000         PDX     0,4                                                             LNK40305
00737  0634 00 4 04232  10001         SXA     YYYY,4                         SAVE YYYY                        LNK40567
00740  0634 00 4 01006  10001         SXA     AXT3,4                       SAVE NO. OF PRIMARY LINES          LNK40306
00741  1 77764 2 00401  10011         TXI     *+1,2,-12                    INDEX PAST 12 WORDS                LNK40307
00742  0734 00 4 00000  10000         PAX     0,4                          NUMBER OF STATE LINES              LNK40308
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00743  0634 00 4 04231  10001         SXA     XXXX,4                         SAVE XXXX                        LNK40564
00744  0600 00 0 04016  10001         STZ     TSUM                                                            LNK40309
00745  7 00000 4 01011  10001         TXL     PRLIN,4,0                    TEST FOR ZERO STATE LINES          LNK40310
00746  0441 00 0 04235  10001         LDI     INDICT
00747  0054 00  000002  10000         RFT     2                            TEST I-COMPUTE BIT                 LNK40311
00750  1 00001 1 00401  10011         TXI     *+1,1,1                      OUTPUT CALCULATED-TAKE NEW VALUE   LNK40312
00751  0500 00 1 30066  10000         CLA     OVAL,1                       INDEX FOR DIRECT EFFECTIVE ADDRESSLNK40313
00752  0737 00 1 00000  10000         PAC     0,1                                                             LNK40314
00753  0560 60 2 30303  10000  SSUM   LDQ*    LINE1,2                                                         LNK40315
                        00754         QMPYB   LINE1,2                                                         LNK40316
                        00761         QADDA   TSUM,0                                                          LNK40317

BINARY CARD ID. NETSIM32
00766  0601 00 0 04016  10001         STO     TSUM                                                            LNK40318
00767  1 77777 2 00401  10011         TXI     *+1,2,-1                                                        LNK40319
00770  2 00001 4 00753  10001         TIX     SSUM,4,1                                                        LNK40320
00771  0774 00 4 00000  10000  AXT2   AXT     **0,4                        BEGINNING OF COMPONENT             LNK40321
00772  0774 00 1 00000  10000  LEV1   AXT     **0,1                        LEVEL NUMBER                       LNK40322
00773  0560 00 0 04016  10001         LDQ     TSUM                                                            LNK40323
                        00774         QMPYA   MS,1                                                            LNK40324

BINARY CARD ID. NETSIM33
01002  0601 00 4 30306  10000         STO     SVAL,4                       SAVE COMPUTED S                    LNK40325
01003  0441 00 0 04235  10001         LDI     INDICT
01004  0056 00  000002  10000         RNT     2                            TEST IF I IS COMPUTED              LNK40326
01005  0020 00 0 01011  10001         TRA     PRLIN                        NO, COMPUTE IT                     LNK40327
01006  4774 00 4 00000  10000  AXT3   AXC     **0,4                        YES,INDEX TO NEXT COMPONENT        LNK40328
01007  4634 00 4 00401  10011         SXD     *+1,4                        CY-Y                               LNK40329
01010  1 00000 2 01054  10001         TXI     OPUT,2,**0                   -NO. OF PRIMARY LINES(-Y)          LNK40330
                                    *                                                                         LNK40331
                                    *                                 CALCULATE AND SAVE COMPUTED I VALUE      LNK40332
01011  0534 00 4 01006  10001  PRLIN  LXA     AXT3,4                       NO. OF PRIMARY LINES               LNK40333
01012  7 00000 4 01054  10001         TXL     OPUT,4,0                     TEST FOR ZERO PRIMARY LINES        LNK40334
01013  0500 00 1 30054  10000         CLA     OVAL-10,1                    INDEX FOR DIRECT EFFECTIVE ADDRESSLNK40335
01014  0737 00 1 00000  10000         PAC     0,1                                                             LNK40336
01015  0600 00 0 04016  10001         STZ     TSUM                                                            LNK40337
01016  0500 00 0 01146  10001         CLA     ILST                 SKIP SVAL ON FIRST OUTPUT--GARBAGE
01017  0601 00 0 01064  10001         STO     ICHANG
01020  0560 60 2 30303  10000  ISUM   LDQ*    LINE1,2                                                         LNK40338
                        01021         QMPYB   LINE1,2                                                         LNK40339
                        01026         QADDA   TSUM,0                                                          LNK40340
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BINARY CARD ID. NETSIM34
      01033  0601 00 0 04016  10001          STO     TSUM                                                    LNK40341
      01034  1 77777 2 00401  10011          TXI     **1,2,-1                                                LNK40342
      01035  2 00001 4 01020  10001          TIX     ISUM,4,1                                                LNK40343
      01036  0534 00 4 00771  10001          LXA     AXT2,4                  GET BEGINNING OF COMPONENT      LNK40344
      01037  0534 00 1 00772  10001          LXA     LEV1,1                  GET LEVEL NUMBER                LNK40345
      01040  0560 00 0 04016  10001          LDQ     TSUM                                                    LNK40346
                     01041                   QMPYA   MI,1                                                    LNK40347
                     01047                   Q4DDB   BIAS,1                                                  LNK40348
                                   * CALULATE  D=S+I                                                         LNK40349

BINARY CARD ID. NETSIM35
      01053  0601 00 4 30305  10000          STO     IVAL,4                  SAVE COMPUTED I                 LNK40350
      01054  0534 00 4 00771  10001  OPUT    LXA     AXT2,4                                                  LNK40351


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      01055  0500 00 1 30065  10000          CLA     OFLIP,.                 OUTPUT FLIPFLOP                 LNK40352
      01056  0400 00 0 04010  10001          ADD     2NEXT                   GET ADDRESS OF OUTPUT           LNK40353
      01057  0621 00 0 01103  10001          STA     OLD                     OLD OUTPUT IN ADDRESS           LNK40354
      01060  0771 00 0 00022  10000          ARS     18                                                      LNK40355
      01061  0621 00 0 01072  10001          STA     NEW                     NEW OUTPUT IN DEER              LNK40356
      01062  0500 00 4 30306  10000          CLA     SVAL,4                                                  LNK40357
      01063  0140 00 0 00401  10011          TOV     **1                                                     LNK40358
      01064  0761 00 0 00000  10000  ICHANG  NOP
      01065  0767 00 0 00010  10000          ALS     8
      01066  0120 00 0 00403  10011          TPL     **3       TEST FOR POSITIVE OVERFLOW
      01067  4754 00 0 00000  10000          PXD     0,0                                                     LNK40361

BINARY CARD ID. NETSIM36
      01070  0100 00 0 00402  10011          TZE     **2             SKIP SATURATION FOR NEGETIVE OVERFOLW
      01071  0140 00 0 01202  10001          TOV     SAT
      01072  0601 00 4 00000  10000  NEW     STO     **0,4                   STORE NEW OUTPUT VALUE          LNK40365
                     01073                   QATWO   OSUM,0                ADD TO SUM                        LNK40366
      01100  0601 00 0 04015  10001          STO     OSUM                                                    LNK40367
      01101  4520 00 0 04017  10001          NZT     TRIAL
      01102  0020 00 0 01122  10001          TRA     MRCOMP          SKIP CONVERGENCE TEST -- FORCE ITERATION
      01103  0500 00 4 00000  10000  OLD     CLA     **0,4                   COMPARE OLD VALUE               LNK40368
      01104  0402 60 0 01072  10001          SUB*    NEW                     WITH NEW VALUE                  LNK40369
      01105  0560 00 0 04004  10001          LDQ     ZERO                                                    LNK40370
      01106  0221 60 0 01103  10001          DVP*    OLD                     COMPUTE (OLD-NEW)/OLD           LNK40371
      01107  0760 00 0 00012  10000          OCT                                                             LNK40372
      01110  0020 00 0 01112  10001          TRA     OFF+1                   ON                              LNK40373
      01111  0131 00 0 00000  10000  OFF     XCA                             OFF                             LNK40374
      01112  0760 00 0 00003  10000          SSP                                                             LNK40375
                     01113                   QSONE   EPSLN,0               HAS OUTPUT CONVERGED              LNK40376

BINARY CARD ID. NETSIM37
      01120  4120 00 0 00402  10011          TMI     **2                     YES                             LNK40377
      01121  0760 00 0 00143  10000          SLN     3                       NO,SET SWITCH                   LNK40378
      01122  0500 00 2 30303  10000  MRCOMP  CLA     NEXT,2
      01123  0120 00 0 00727  10001          TPL     BECOM                   NO,GET NEXT ONE                 LNK40380
      01124  0534 00 4 04017  10001          LXA     TRIAL,4                 NO. OF TRIES                    LNK40383
      01125  3 00000 4 01135  10001          TXH     TRI,4,0                 TEST FOR FIRST ITERATION        LNK40384
      01126  0441 00 0 04235  10001          LDI     INDICT
      01127  0055 00  000002  10000          SIR     2                       YES-SET BIT TO OMIT I COMPUTED  LNK40385
      01130  0500 00 0 01147  10001          CLA     I2ND
      01131  0601 00 0 01064  10001          STO     ICHANG
      01132  0604 00 0 04235  10001          STI     INDICT
      01133  0774 00 4 00031  10000          AXT     TRYS,4                  SET UP LOOP                     LNK40386
      01134  0020 00 0 00404  10011          TRA     **4
      01135  4760 00 0 00143  10000  TRI     SLT     3               TEST FOR CO VERFENCE

BINARY CARD ID. NETSIM38
      01136  0020 00 0 01226  10001          TRA     STABL                   OFF-CONVERGENCE                 LNK40382
      01137  6 00001 4 01150  10001          TNX     UNSTA,4,1       TEST FOR MAXIMUM TRIES FOR CONVERGENCE
      01140  0634 00 0 04017  10001          SXA     TRIAL,4                 NOT ENOUGH                      LNK40388
      01141  0534 00 1 00772  10001          LXA     LEV1,1                  REVERSE OFLIP                   LNK40389
      01142  0560 00 1 30065  10000          LDQ     OFLIP,1                                                 LNK40390
      01143  4773 00 1 00022  10000          RQL     18                                                      LNK40391
      01144  4600 00 1 30065  10000          STQ     OFLIP,1                                                 LNK40392
      01145  0020 00 0 00723  10001          TRA     LEVIR                   START LEVEL AGAIN               LNK40393
      01146  0500 00 4 30305  10000  ILST    CLA     IVAL,4


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       ASSEMBLED TEXT.

      01147  0400 00 4 30305  10000  I2ND    ADD     IVAL,4
                                   * LEVL IS UNSTABLE. REDUCE MS                                             LNK40394
      01150  0020 00 0 01151  10001  UNSTA   TRA     UNS1
      01151  0500 00 1 30055  10000  UNS1    CLA     MS,1                                                    LNK40405
      01152  0402 00 0 30052  10000          SUB     MSTEP                                                   LNK40406
      01153  0120 00 0 00402  10011          TPL     **2                                                     LNK40407
      01154  4754 00 0 00000  10000          PXD     0,0                                                     LNK40408
      01155  0601 00 1 30055  10000  UNS2    STO     MS,1                    STORE NEW MS                    LNK40409
      01156  0601 00 0 04227  10001          STO     AAA                                                     LNK40410
      01157  000000000000     00010          CALL    BTOF(AAA,*5,AAA)'2047'                                  LNK40411
      01157  0074 00 4 04000  10011

BINARY CARD ID. NETSIM39
      01160  1 00003 0 00405  10011
      01161  0 04303 0 03777  10100
      01162  0 00000 0 04227  10001
      01163  0 00000 0 04272  10001
      01164  0 00000 0 04227  10001
      01165  000000000000     00010          CALL    .FWRD.(.UN06.,RCDA)'2048'                               LNK40412
      01165  0074 00 4 11400  10011
      01166  1 00002 0 00404  10011
      01167  0 04303 0 04000  10100
      01170  0 00000 0 15000  10011
      01171  0 00000 0 03605  10001
      01172  0500 00 0 04023  10001          CLA     LEVCT                                                   LNK40413
      01173  0074 00 4 15400  10011          TSX     .FCNV.,4                                                LNK40414
      01174  0500 00 0 04227  10001          CLA     AAA                                                     LNK40415
      01175  0074 00 4 15400  10011          TSX     .FCNV.,4                                                LNK40416
      01176  000000000000     00010          CALL    .FFIL.'2048'                                            LNK40417
      01176  0074 00 4 06400  10011
      01177  1 00000 0 00402  10011
      01200  0 04303 0 04000  10100
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BINARY CARD ID. NETSIM40
      01201  0020 00 0 00722  10001          TRA     ZITER                    START LEVEL AGAIN                LNK40418
      01202  0500 00 0 04273  10001  SAT     CLA     =0377777777777
      01203  0020 00 0 01072  10001          TRA     NEW
      01204  200000000001     00001  OP2     BSS     1
      01205  200000000001     00001  MHOLD   BSS     1
      01206  200000000001     00001  SHT     BSS     1
      01207  7403013040046    10000  SHFOTP  BCI     7,(31H OUTPUT OF COMPONENT TO LARGE =,F9.4)
      01210  646347846360     10000
      01211  462660234644     10000
      01212  474645254563     10000
      01213  606346604321     10000
      01214  512725601373     10000
      01215  261133043460     10000
      01216  740204306031     10000  ADOUTP  BCI     6,(24H IVAL+SVAL IS TO LARGE =,F9.4)
      01217  652143206265     10000
      01220  214360316260     10000
      01221  634660432151     10000
      01222  272560137326     10000
      01223  113304346060     10000

BINARY CARD ID. NETSIM41
      01224  0 00000 0 00000  10000  HOLD    PZE     0


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        ASSEMBLED TEXT.

      01225  777777000000     10000  MASK1   OCT     777777000000
                                      *  OUTUT IS  NOW STABLE-TEST FOR RANGE                                  LNK40419
      01226  0057 00  000002  10000  STABL   RIR     2                        RESET BIT FOR I-COMPUTE          LNK
      01227  0760 00 0 00016  10000          LMTM
      01230  0604 00 0 04235  10001          STI     INDICT
      01231  0560 00 1 30064  10000          LDQ     ESUM,1                   GET RANGE OF                     LNK40421
      01232  0200 00 0 04003  10001          MPY     TENTH                    PERMISSIBLE OUTPUT               LNK40422
      01233  0601 00 0 04034  10001          STO     TEMP                                                      LNK40423
      01234  0500 00 1 30064  10000          CLA     ESUM,1           (ESUM-OSUM) 424
      01235  0402 00 0 04015  10001          SUB     OSUM             GET DIFFERENCE 425
      01236  4340 00 0 04034  10001          LAS     TEMP                     IS OUTPUT IN RANGE               LNK40426
      01237  0020 00 0 01242  10001          TRA     AJUST                    NO-ADJUST BIAS                   LNK40427
      01240  0020 00 0 01644  10001          TRA     ACEPT                    YES                              LNK40428
      01241  0020 00 0 01644  10001          TRA     ACEPT                    YES                              LNK40429
      01242  0441 00 0 01571  10001  AJUST   LDI     BCONTL           BIAS  CONTROL WORD
      01243  0601 00 0 01601  10001          STO     DIFF2B
      01244  0054 00  000004  10000          RFT     4
      01245  0020 00 0 01355  10001          TRA     ITER4
      01246  0054 00  000002  10000          RFT     2

BINARY CARD ID. NETSIM42
      01247  0020 00 0 01311  10001          TRA     AJUST2
      01250  0054 00  000001  10000          RFT     1
      01251  0020 00 0 01274  10001          TRA     AJUST1
      01252  0601 00 0 01600  10001  AJUSTO STO     DIFF1B           (OSUM-ESUM)
      01253  0131 00 0 00000  10000          XCA
      01254  4754 00 0 00000  10000          PXD     0,0
      01255  0221 00 0 04024  10001          DVP     COMCT            * OF COMPONENTS THIS LEVEL - B(6)
      01256  0131 00 0 00000  10000          XCA
      01257  0560 00 0 01600  10001          LDQ     DIFF1B           ATTACH SIGN FOR CHANGE
      01260  0763 00 0 00000  10000          LLS     0
      01261  0771 00 0 00003  10000          ARS     3                B(6) TO B(9)
      01262  0761 00 0 00000  10000  REVER1  NOP                      CHS INSERTED IF(OSUM2-OSUM1) SIGN DIFFEREN
      01263  0601 00 0 01575  10001          STO     DB1              FROM SIGN GIVIEN TO DBIAS
      01264  0400 00 1 30063  10000          ADD     BIAS,1           BIAS=0,EXCEPT WHEN OVERFLOW OF OSUM HAS OC
      01265  0601 00 1 30063  10000          STO     BIAS,1
      01266  0055 00  000001  10000          SIR     1                BIAS CONTROL-SIGNALS AJUST 1 FOR NEXT AJUS
      01267  0604 00 0 01571  10001          STI     BCONTL
      01270  0500 00 0 04015  10001          CLA     OSUM
      01271  0601 00 0 01572  10001          STO     OSUM1            BASE OSUM FOR TESTING IN LATER AJUSTMENTS

BINARY CARD ID. NETSIM43
      01272  0500 00 1 30063  10000          CLA     BIAS,1
      01273  0020 00 0 01602  10001          TRA     AJ2              RETURN
      01274  0601 00 0 01601  10001  AJUST1 STO     DIFF2B           B6
      01275  0500 00 0 04015  10001          CLA     OSUM             TEST TO SEE IF DB HAS SAME DIRECTION
      01276  0340 00 0 01572  10001          CAS     OSUM1            COMPARE FOR SAME
      01277  0020 00 0 00402  10011          TRA     **2
      01300  0020 00 0 01543  10001          TRA     01E002           THE SAME --- OUTPUTS SATURATED
      01301  0402 00 0 01572  10001          SUB     OSUM1            OF CHANGE AS DOSUM. IF NOT SIGN
      01302  0601 00 0 01576  10001          STO     DOSUM            ATTACHMENT INSTR FOR DB WILL BE REVERSED.
      01303  0560 00 0 01600  10001          LDQ     DIFF1B           B6
      01304  4120 00 0 00403  10011          TMI     **3
      01305  0162 00 0 00403  10011          TQP     **3              BOTH PLUS
      01306  0020 00 0 01377  10001          TRA     REVSIN           DIFFER-REVERSE DB SIGN CODING
      01307  0162 00 0 01377  10001          TQP     REVSIN


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        ASSEMBLED TEXT.

      01310  0020 00 0 00402  10011          TRA     **2
      01311  0601 00 0 01601  10001  AJUST2 STO     DIFF2B           TEST (OSUM2-ESUM) WITH (OSUM1-ESUM)
      01312  0500 00 0 01601  10001          CLA     DIFF2B           TO SEE IF OSUM2 HAS REACHED OPPOSITE SIDE.
      01313  0560 00 0 01600  10001          LDQ     DIFF1B
      01314  4120 00 0 00403  10011          TMI     **3
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BINARY CARD ID. NETSIM44
      01315  0162 00 0 00403  10011          TOP     **3          SAME SIGN-DSUM2 MUST BE FURTHER CHANGED
      01316  0020 00 0 01347  10001          TRA     AJUST4       BOTH BOUNDRIES ABOUT ESUM FOUND
      01317  0162 00 0 01347  10001          TOP     AJUST4       START ITER. TO REDUCE TO PROPER AMOUNT.
      01320  0500 00 0 01577  10001          CLA     PCENTB
      01321  0190 00 0 00403  10011          TZE     **3
      01322  0500 00 0 01575  10001          CLA     DB1
      01323  0020 00 0 01341  10001          TRA     SET2
      01324  4754 00 0 00000  10000          PXD     0,0
      01325  0131 00 0 00000  10000          XCA
      01326  0500 00 0 01576  10001          CLA     DOSUM        AMOUNT OF CHANGE FOR DB USED
      01327  0221 00 0 01600  10001          DVP     DIFF1B       AMOUNT REQUIRED
      01330  0760 00 0 00012  10000          DCT                  PCENT GREATER THAN ONE
      01331  0020 00 0 01556  10001          TRA     LARGE
      01332  4600 00 0 01577  10001          STO     PCENTB       BC
      01333  0500 00 0 01575  10001          CLA     DB1          B9
      01334  0221 00 0 01577  10001          DVP     PCENTB       BO
      01335  0760 00 0 00012  10000          DCT                  B9-BO=B9(NO)
      01336  0020 00 0 01365  10001          TRA     SMALCH       OVERFLOW-GREATER THAN B9
      01337  0131 00 0 00000  10000          XCA

BINARY CARD ID. NETSIM45
      01340  0402 00 0 01575  10001          SUB     DB1
      01341  0601 00 0 01575  10001  SET2    STO     DB1          SAVE DB FOR ITER FOR DSUM OVERFLOW
      01342  0055 00  000002  10000          SIR     2            SET CONTROL FOR AJUST2
      01343  0604 00 0 01571  10001          STI     BCONTL
      01344  0400 00 1 30063  10000          ADD     BIAS,1       BIAS=0,EXCEPT WHEN DSUM OVERFLOWS
      01345  0140 00 0 01535  10001          TOV     TOBIG1
      01346  0020 00 0 01602  10001          TRA     AJ2          RETURN
      01347  0500 00 0 01575  10001  AJUST4  CLA     DB1          DB RANGE-ITERATE TO FIND CORRECT VALUE
      01350  0760 00 0 00003  10000          SSP
      01351  0601 00 0 01367  10001          STO     RANGE
      01352  0055 00  000004  10000          SIR     4            SET CONTROL FOR AJUST4
      01353  0604 00 0 01571  10001          STI     BCONTL
      01354  0601 00 0 01574  10001          STO     BITER
      01355  0500 00 0 01574  10001  ITER4   CLA     BITER
      01356  0771 00 0 00001  10000          ARS     1            ITERATE IN 1/2 STEPS IN RANGE OF DB
      01357  0560 00 0 01601  10001          LDQ     DIFF2B
      01360  0763 00 0 00000  10000          LLS     0
      01361  0761 00 0 00000  10000  REVER2  NOP                  CHS INSERTED IF DB CHANGES INVERSELY
      01362  0601 00 0 01574  10001          STO     BITER

BINARY CARD ID. NETSIM46
      01363  0400 00 1 30063  10000          ADD     BIAS,1       TO DOSUM.
      01364  0020 00 0 01602  10001          TRA     AJ2
      01365  0765 00 0 00000  10000  SMALCH  LRS     0            SAVE SIGN
      01366  0054 00  000002  10000          RFT     2
      01367  0020 00 0 01373  10001          TRA     SMALC2       ON
      01370  0500 00 0 04274  10001          CLA     =0010000000000 SET DB=/128/, B(9)
      01371  0763 00 0 00000  10000          LLS     0            ATTACH SIGN OF DB
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ASSEMBLED TEXT.

      01372  0020 00 0 01341  10001          TRA     SET2         SAVE FOR NEXT INCREASE
      01373  0500 00 0 01575  10001  SMALC2  CLA     DB1          TRUE BIAS VALUE
      01374  0400 00 1 30063  10000          ADD     BIAS,1       DOUBLE DB1
      01375  0140 00 0 01535  10001          TOV     TOBIG1
      01376  0020 00 0 01602  10001          TRA     AJ2
      01377  0500 00 0 01570  10001  REVSIM  CLA     CHGSIN
      01400  0054 00  000010  10000          RFT     10
      01401  0500 00 0 00573  10001          CLA     NOPP
      01402  0601 00 0 01262  10001          STO     REVER1
      01403  0601 00 0 01361  10001          STO     REVER2
      01404  0054 00  000010  10000          RFT     10
      01405  0020 00 0 01416  10001          TRA     RESET

BINARY CARD ID. NETSIM47
      01406  0055 00  000010  10000          SIR     10
      01407  0604 00 0 01571  10001          STI     BCONTL
      01410  0500 00 0 01575  10001          CLA     DB1
      01411  0760 00 0 00002  10000          CHS
      01412  0601 00 0 01575  10001          STO     DB1
      01413  0767 00 0 00001  10000          ALS     1
      01414  0400 00 1 30063  10000          ADD     BIAS,1
      01415  0020 00 0 01602  10001          TRA     AJ2
      01416  0057 00  000010  10000  RESET   RIR     10           ITERATE  BETWEEN /2*DS1/
      01417  0604 00 0 01571  10001          STI     BCONTL
      01420  0500 00 0 01575  10001          CLA     DB1
      01421  0760 00 0 00002  10000          CHS
      01422  0400 00 1 30063  10000          ADD     BIAS,1
      01423  0601 00 1 30063  10000          STO     BIAS,1
      01424  0500 00 0 01575  10001          CLA     DB1
      01425  0760 00 0 00002  10000          CHS
      01426  0771 00 0 00001  10000          ARS     1
      01427  0601 00 0 01575  10001          STO     DB1
      01430  0400 00 1 30063  10000          ADD     BIAS,1

BINARY CARD ID. NETSIM48
      01431  0020 00 0 01602  10001          TRA     AJ2
      01432  0441 00 0 01571  10001  ITER    LDI     BCONTL
      01433  0601 00 0 01601  10001          STO     DIFF2B       SAVE SIGN OF DSUM
      01434  0054 00  000004  10000          RFT     4
      01435  0020 00 0 01355  10001          TRA     ITER4        REDUCE LAST DB BY HALF
      01436  0054 00  000002  10000          RFT     2
      01437  0020 00 0 01450  10001          TRA     ITER2
      01440  0056 00  000001  10000          RNT     1
      01441  0020 00 0 01460  10001          TRA     ITER0        AJUST HAS NOT BEEN CALLED YET
      01442  0402 00 0 01572  10001  ITER1   SUB     DSUM1        OVERFLOW AFTER 1ST PASS OF AJUST
      01443  0560 00 0 01600  10001          LDQ     DIFF1B       TEST FOR CORRECT DIRECTION OF CHANGE
      01444  4120 00 0 00403  10011          TMI     **3          BOTH POSITIVE-OK
      01445  0162 00 0 00403  10011          TOP     **3
      01446  0020 00 0 01377  10001          TRA     REVSIN       DB1 SIGN WRONG-CHANGE SIGN T
      01447  0162 00 0 01377  10001          TOP     REVSIN
      01450  0500 00 0 01575  10001  ITER2   CLA     DB1          REDUCE DB1 BY HALF
      01451  0771 00 0 00001  10000          ARS     1
      01452  0601 00 0 01575  10001          STO     DB1
      01453  0402 00 1 30063  10000          SUB     BIAS,1       ADJUST BIAS TO REPRESENT     DB1/2
```

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BINARY CARD ID. NETSIM49

          NETSIM                                                    04/14/66                          PAGE  22
        ASSEMBLED TEXT.

01454  0760 00 0 00002  10000          CHS                    PLUS INITIAL BIAS=BIAS-DB1
01455  0055 00  000002  10000          SIR     2
01456  0404 00 0 01571  10001          STI     BCONTL
01457  0020 00 0 01602  10001          TRA     AJ2
01460  0601 00 0 01572  10001  ITERO   STO     OSUM1          SAVE SIGN OF OSUM OVERFLOW
01461  0500 00 1 30063  10000          CLA     BIAS,1
01462  4100 00 0 01500  10001          TNZ     ITERO1         1ST BIAS CHANGE THIS LEVEL
01463  0500 00 0 04024  10001          CLA     COMCT          * COMPONENTS THIS OVERFLOW
01464  0601 00 0 01573  10001          STO     COMCT1         B(0)
01465  0500 00 0 04275  10001          CLA     =0377400000000 B(9)
01466  0131 00 0 00000  10000          XCA
01467  4754 00 0 00000  10000          PXD     0,0
01470  0221 00 0 01573  10001          DVP     COMCT1         B(9)-B(0)=B(9),MQ
01471  0763 00 0 00003  10000          LLS     3              B(6)
01472  0131 00 0 00000  10000          XCA
01473  0560 00 0 01572  10001          LDQ     OSUM1
01474  0763 00 0 00000  10000          LLS     0
01475  0760 00 0 00002  10000          CHS
01476  0601 00 0 01575  10001          STO     DB1

BINARY CARD ID. NETSIM50
01477  0020 00 0 01602  10001          TRA     AJ2
01500  0500 00 0 04015  10001  ITERO1 CLA     OSUM           MORE OVERFLOW
01501  0560 00 0 01572  10001          LDQ     OSUM1          TEST FOR SIGN CHANGE IN OVERFLOW
01502  4120 00 0 00403  10011          TMI     *+3
01503  0162 00 0 00403  10011          TQP     *+3            SAME SIGN
01504  0020 00 0 01516  10001          TRA     TOBIG          REDUCE DB1-DIFFERENT SIGNS
01505  0162 00 0 01516  10001          TQP     TOBIG
01506  0500 00 0 04024  10001          CLA     COMCT          SAME SIGN-COMPARE = COMP. IN SUM
01507  0340 00 0 01573  10001          CAS     COMCT1         TEST FOR DIRECTION OF CHANGE
01510  0020 00 0 01524  10001          TRA     REVS           WRONG-REVERSE SIGN OF DB1
01511  0020 00 0 01524  10001          TRA     REVS           UNDECIDED-TRY REVERSED SIGN
01512  0500 00 0 01575  10001          CLA     DB1            OK-MAKE DB1 LARGER
01513  0400 00 1 30063  10000          ADD     BIAS,1
01514  0140 00 0 01531  10001          TOV     BSAT
01515  0020 00 0 01602  10001          TRA     AJ2
01516  0500 00 0 01575  10001  TOBIG  CLA     DB1
01517  0771 00 0 00001  10000          ARS     1              REDUCE DB1 BY HALF
01520  0601 00 0 01575  10001          STO     DB1
01521  0402 00 1 30063  10000          SUB     BIAS,1         REDUCE BIAS BY HALF DB1

BINARY CARD ID. NETSIM51
01522  0760 00 0 00002  10000          CHS
01523  0020 00 0 01602  10001          TRA     AJ2
01524  0500 00 0 01575  10001  REVS   CLA     DB1            CHANGE SIGN OF DB1 AND
01525  0771 00 0 00001  10000          ARS     1              INCREASE THE BIAS BY TWO DB1
01526  0400 00 0 01575  10001          ADD     DB1
01527  0601 00 0 01575  10001          STO     DB1
01530  0020 00 0 01377  10001          TRA     REVSIN
01531  0131 00 0 00000  10000  BSAT   XCA
01532  0500 00 0 04275  10001          CLA     =0377400000000
01533  0763 00 0 00000  10000          LLS     0
01534  0020 00 0 01602  10001          TRA     AJ2
01535  0500 00 0 01575  10001  TOBIG1 CLA     DB1
01536  0771 00 0 00001  10000          ARS     1
01537  0601 00 0 01575  10001          STO     DB1

          NETSIM                                                    04/14/66                          PAGE  23
        ASSEMBLED TEXT.

01540  0400 00 1 30063  10000          ADD     BIAS,1
01541  0140 00 0 01535  10001          TOV     TOBIG1
01542  0020 00 0 01602  10001          TRA     AJ2
01543  0500 00 0 01575  10001  OIEQO2 CLA     DB1
01544  0767 00 0 00001  10000          ALS     1

BINARY CARD ID. NETSIM52
01545  0601 00 0 01575  10001          STO     DB1
01546  0400 00 1 30063  10000          ADD     BIAS,1
01547  0140 00 0 01551  10001          TOV     TOBIG2
01550  0020 00 0 01602  10001          TRA     AJ2
01551  0500 00 0 04276  10001  TOBIG2 CLA     =0377700000000
01552  0560 00 0 01575  10001          LDQ     DB1
01553  0763 00 0 00000  10000          LLS     0
01554  0601 00 0 01575  10001          STO     DB1
01555  0020 00 0 01602  10001          TRA     AJ2
01556  000000000000     00010  LARGE  CALL    .FWRD.(.UN06.,RBIAS)
01556  0074 00 4 11400  10011
01557  1 00002 0 00404  10011
01560  0 04303 0 01521  10100
01561  0 00000 0 15000  10011
01562  0 00000 0 03644  10001
01563  000000000000     00010          CALL    .FFIL.
01563  0074 00 4 06400  10011
01564  1 00000 0 00402  10011
01565  0 04303 0 01522  10100
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BINARY CARD ID. NETSIM53
      01566  0020 00 0 01401  10011          PXA     NETSIM+1
      01567  0 00000 0 00000  10000  RANGE   PZE     0
      01570  0760 00 0 00002  10000  CHGSIN  CHS
      01571  0 00000 0 00000  10000  BCONTL  PZE     0
      01572  0 00000 0 00000  10000  OSUM1   PZE     0
      01573  0 00000 0 00000  10000  COMCT1  PZE     0
      01574  0 00000 0 00000  10000  BITER   PZE     0
      01575  0 00000 0 00000  10000  DB1     PZE     0
      01576  0 00000 0 00000  10000  DOSUM   PZE     0
      01577  0 00000 0 00000  10000  PCENTB  PZE     0
      01600  0 00000 0 00000  10000  DIFF1B  PZE     0
      01601  0 00000 0 00000  10000  DIFF2B  PZE     0
      01602  0601 00 1 30063  10000  AJ2     STO     BIAS,1
      01603  0601 00 0 04227  10001          STO     AAA                                                    LNK40446
      01604  0441 00 0 04235  10001          LDI     INDICT        RESET FOR I-COMPUTED BECAUSE OF CALL TO
      01605  0057 00  000002  10000          RIR     2             ADJUST BYPASSING  STABLE **
      01606  0604 00 0 04235  10001          STI     INDICT
      01607  0500 00 0 00604  10001          CLA     BIASCH        ICCREMENT BIAS CHANGE COUNTER
      01610  0400 00 0 04005  10001          ADD     ONE

BINARY CARD ID. NETSIM54
      01611  0601 00 0 00604  10001          STO     BIASCH
      01612  0500 00 0 04036  10001          CLA     OLDMS                 USE ORIGINAL MS                  LNK40447
      01613  0601 00 1 30055  10000          STO     MS,1                                                   LNK40448
      01614  0500 00 0 03664  10004          CLA     KEYS          TEST FOR BIAS CHANGE PRINTOUT
      01615  4320 00 0 00626  10001          ANA     K20           KEY 20 -- YES IF A ONE BIT
      01616  0100 00 0 00722  10001          TZE     ZITER
      01617  000000000000     00010  AJ3     CALL    BTOF(AAA,=9,AAA)


            NETSIM                                                    04/14/66                          PAGE  24
         ASSEMBLED TEXT.

      01617  0074 00 4 04000  10011
      01620  1 00003 0 00405  10011
      01621  0 04303 0 01554  10100
      01622  0 00000 0 04227  10001
      01623  0 00000 0 04277  10001
      01624  0 00000 0 04227  10001
      01625  000000000000     00010          CALL    .FWRD.(.UN06.,PCDB)'2091'                              LNK40450
      01625  0074 00 4 11400  10011
      01626  1 00002 0 00404  10011
      01627  0 04303 0 04053  10100
      01630  0 00000 0 15000  10011
      01631  0 00000 0 03626  10001

BINARY CARD ID. NETSIM55
      01632  0500 00 0 04023  10001          CLA     LEVCT                                                  LNK40451
      01633  0074 00 4 15400  10011          TSX     .FCNV.,4                                               LNK40452
      01634  0500 00 0 04227  10001          CLA     AAA                                                    LNK40453
      01635  0074 00 4 15400  10011          TSX     .FCNV.,4                                               LNK40454
      01636  0500 00 0 01571  10001          CLA     BCONTL
      01637  0074 00 4 15400  10011          TSX     .FCNV.,4
      01640  000000000000     00010          CALL    .FFIL.'2091'                                           LNK40455
      01640  0074 00 4 06400  10011
      01641  1 00000 0 00402  10011
      01642  0 04303 0 04053  10100
      01643  0020 00 0 00722  10001          TRA     ZITER                 RE-COMPUTE LEVEL                 LNK40456
                                     *  OUTUT FROM LEVEL IS ACCEPTABLE                                     LNK40457
      01644  0534 00 1 00772  10001  ACEPT  LXA     LEVI,1                GET LEVEL NUMBER                 LNK40458
      01645  0600 00 0 01577  10001          STZ     PCENTB
      01646  0600 00 0 01571  10001          STZ     BCONTL
      01647  0560 00 1 30066  10000          LDQ     OVAL,1                                                 LNK40459
      01650  4773 00 0 00022  10000          RQL     18                                                     LNK40460
      01651  4500 00 1 30065  10000          CAL     OFLIP,1                                                LNK40461
      01652  4765 00 0 00022  10000          LGR     18                                                     LNK40462
      01653  0621 00 1 30066  10000          STA     OVAL,1                PUT NEW OUTPUT INDEX INTO OVAL   LNK40463

BINARY CARD ID. NETSIM56
      01654  4600 00 1 30065  10000          STQ     OFLIP,1               OLD OVAL INDEX INTO FLIPFLOP     LNK40464
      01655  0074 00 4 03261  10001          TSX     PRINT,4                                                LNK40465
                                     *  PRIT OUTPPUT FROM LEVEL                                            LNK40466
      01656  0500 00 2 30303  10000          CLA     NEXT,2                CHECK FOR LAST LEVEL             LNK40467
      01657  0100 00 0 01665  10001          TZE     ULTIM                 YES                              LNK40468
      01660  0634 00 2 00723  10001          SXA     LEVIR,2               SAVE BEGINNING OF NEW LEVEL      LNK40469
      01661  0500 00 0 04005  10001          CLA     ONE                   INCREMENT NEW LEVEL NO FOR PRINT LNK40470
      01662  0400 00 0 04023  10001          ADD     LEVCT                                                  LNK40471
      01663  0601 00 0 04023  10001          STO     LEVCT                                                  LNK40472
      01664  1 77766 1 00714  10001          TXI     SAVEM,1,-10           INCREMENT LEVEL AND              LNK40473
                                     *                            BEGIN NEW ONE                             LNK40474
                                     *  CONOLIDATTE OUTPUT INTO SMALLER STRING                             LNK40475
      01665  0500 00 1 30066  10000  ULTIM  CLA     OVAL,1                                                 LNK40476
      01666  0737 00 1 00000  10000          PAC     0,1                   LOAD PROPER OUTPUT WORD          LNK40477
      01667  0441 00 0 04235  10001          LDI     INDICT
      01670  0057 00  000100  10000          RIR     100
      01671  0055 00  000200  10000          SIR     200           STRING SUMMING-OATWO TOV SIGNAL
      01672  0604 00 0 04235  10001          STI     INDICT
      01673  0535 00 2 00723  10001          LAC     LEVIR,2                                                LNK40478
      01674  0754 00 2 00000  10000          PXA     0,2                   INDEX OF FIRST COMP IN ADDR      LNK40479
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01675  0400 00 0 04010  10001          ADD     2NEXT                   ADDRESS OF FIRST COMP IN ADDR     LNK40480
01676  0774 00 2 00000  10000          AXT     0,2                     INITIALIZE STRING INDEX           LNK40481

BINARY CARD ID. NETSIM57
01677  0690 00 2 04043  10001  ELTS    STZ     STRING,2                SET NEW STRING ELEMENT TO ZERO    LNK40482
01700  0534 00 4 04020  10001          LXA     M,4                     INDEX FOR M COMPONENTS            LNK40483
01701  0621 00 0 01703  10001  NEWAD   STA     ADELT                   STORE ADDRESS OF                  LNK40484
01702  0621 00 0 01712  10001          STA     NELT                    NEXT COMPONENT                    LNK40485
01703  0500 00 1 30303  10000  ADELT   CLA     NEXT,1                  ADD OUTPUT OF M COMPS             LNK40486
                 01704                 QATWO   STRING,2                                                  LNK40487
01711  0601 00 2 04043  10001          STO     STRING,2                                                  LNK40488
01712  0500 60 0 30303  10000  NELT    CLA*    NEXT                    GET NEXT ELEMENT                  LNK40489
01713  0100 00 0 01717  10001          TZE     SMALL                   END OF OUTPUT                     LNK40490
01714  0500 60 0 01712  10001          CLA*    NELT                    GET ADDRESS OF ONEXT COMPONENT    LNK40491
01715  2 00001 4 01701  10001          TIX     NEWAD,4,1               ADD NEXT ELEMENT                  LNK40492
01716  1 77777 2 01677  10001          TXI     ELTS,2,-1               INDEX TO NEXT OUTPUT ELEMENT      LNK40493
                                  * DECSION PPROCEDURE FOR FIX-FORGETS                                   LNK40494
01717  0600 00 0 04035  10001  SMALL   STZ     CMSUM                   SET COMPARISON SUM EQUAL TO ZERO  LNK40495
01720  0500 00 0 03005  10001          CLA     COMBIN          TEST FOR MIXED OUTPUT SUMMING
01721  4100 00 0 02666  10001          TNZ     COMB1

BINARY CARD ID. NETSIM58
01722  0441 00 0 04235  10001          LDI     INDICT
01723  0054 00  000400  10000          RFT     400                                                       LNK40496
01724  0020 00 0 01764  10001          TRA     MSHEND+1                                                  LNK40497
01725  0634 00 1 01763  10001          SXA     MSHEND,1                                                  LNK40498
01726  0774 00 1 00000  10000          AXT     0,1                                                       LNK40499
01727  0600 00 0 04114  10001          STZ     MSHCTR                                                    LNK40500
01730  1 77777 2 00401  10011          TXI     *+1,2,-1                                                  LNK40501
01731  4634 00 2 01762  10001          SXD     MISH2,2                                                   LNK40502
01732  0500 00 0 04114  10001  MSHLP   CLA     MSHCTR                                                    LNK40503
01733  0400 00 0 04005  10001          ADD     ONE                                                       LNK40504
01734  0601 00 0 04114  10001          STO     MSHCTR                                                    LNK40505
01735  0500 00 1 04043  10001          CLA     STRING,1                                                  LNK40506
01736  0601 00 0 04227  10001          STO     AAA                                                       LNK40507
01737  000000000000    00010          CALL    BTOF(AAA,*6,AAA)'2151'                                    40508
01737  0074 00 4 04000  10011
01740  1 00003 0 00405  10011
01741  0 04303 0 04147  10100
01742  0 00000 0 04227  10001
01743  0 00000 0 04300  10001

BINARY CARD ID. NETSIM59
01744  0 00000 0 04227  10001
01745  000000000000    00010          CALL    .FWRD.(.UN06.,MISH1)'2151'                                LNK40509
01745  0074 00 4 11400  10011
01746  1 00002 0 00404  10011
01747  0 04303 0 04147  10100
01750  0 00000 0 15000  10011
01751  0 00000 0 03653  10001
01752  0500 00 0 04114  10001          CLA     MSHCTR                                                    LNK40510
01753  0074 00 4 15400  10011          TSX     .FCNV.,4                                                  LNK40511
01754  0500 00 0 04227  10001          CLA     AAA                                                       LNK40512
01755  0074 00 4 15400  10011          TSX     .FCNV.,4                                                  LNK40513
01756  000000000000    00010          CALL    .FFIL.'2151'                                              LNK40514
01756  0074 00 4 06400  10011
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01757  1 00000 0 00402  10011
01760  0 04303 0 04147  10100
01761  1 77777 1 00401  10011          TXI     *+1,1,-1                                                  LNK40515
01762  3 00000 1 01732  11101  MISH2   TXH     MSHLP,1,*-*                                               LNK40516
       1 00001 7 00001  11010
01763  0774 00 1 00000  10011  MSHEND  AXT     *-*,1                                                     LNK40517

BINARY CARD ID. NETSIM60
       1 00001 7 00001  11010
01764  4634 00 2 02001  10001          SXD     OPEND,2                 SET UP LOOP FOR STRING            LNK40518
01765  0535 00 4 27050  10000          LAC     KEY,4                   GET KEY ELEMENT                   LNK40519
01766  1 00001 4 00401  10011          TXI     *+1,4,1                                                   LNK40520
01767  0360 00 4 04043  10001          LDQ     STRING,4                FOR COMPARISON                    LNK40521
01770  0600 00 4 04043  10001          STZ     STRING,4                                                  LNK40522
01771  0774 00 4 00000  10000          AXT     0,4                     INITIALIZE COMPARISON             LNK40523
01772  0500 00 4 04043  10001  CMP     CLA     STRING,4                TEST COMPARISON MODE              LNK40524
01773  0441 00 0 04235  10001          LDI     INDICT
01774  0054 00  000400  10000          RFT     400                                                       LNK40525
01775  0400 00 0 04035  10001          ADD     CMSUM                   SUMMATION MODE-ADD ELTS           LNK40526
01776  0040 00 0 02023  10001          TLQ     FORGET                  TEST FOR FIX OR FORGET            LNK40527
01777  0601 00 0 04035  10001          STO     CMSUM                                                     LNK40528
02000  1 77777 4 00401  10011          TXI     *+1,4,-1                                                  LNK40529
02001  3 00000 4 01772  10001  OPEND   TXH     CMP,4,**0               TEST FOR END OF STRING            LNK40530
02002  000000000000    00010  FIX     CALL    .FWRD.(.UN06.,BCDC1)'2175'                                LNK40531
02002  0074 00 4 11400  10011
02003  1 00002 0 00404  10011
02004  0 04303 0 04177  10100
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BINARY CARD ID. NETSIN61
        02005  0 00000 0 15000  10011
        02006  0 00000 0 03667  10001
        02007  0500 00 0 03721  10001          CLA     OPSNUM
        02010  0400 00 0 04005  10001          ADD     ONE
        02011  0601 00 0 03721  10001          STO     OPSNUM
        02012  0074 00 4 15400  10011          TSX     .FCNV.,4
        02013  0500 00 0 27047  10000          CLA     INUM                                          LNK40532
        02014  0074 00 4 15400  10011          TSX     .FCNV.,4                                      LNK40533
        02015  000000000000     00010          CALL    .FFIL.'2175'                                  LNK40534
        02015  0074 00 4 06400  10011
        02017  1 00000 0 00402  10011
        02017  0 04303 0 04177  10100
        02020  0500 00 0 04013  10001          CLA     FPL                                           LNK40535
        02021  0760 00 0 00142  10000          SLN     2                                             LNK40536
        02022  0020 00 0 02045  10001          TRA     F2                                            LNK40537
        02023  000000000000     00010  FORGET CALL    .FWRD.(.UM06.,RC001)'2184'                    LNK40538
        02023  0074 00 4 11400  10011
        02024  1 00002 0 00404  10011
        02025  0 00303 0 04210  10100

BINARY CARD ID. NETSIN62
        02026  0 00000 0 15000  10011
        02027  0 00000 0 03701  10001
        02030  0500 00 0 03721  10001          CLA     OPSNUM
        02031  0400 00 0 04005  10001          ADD     ONE
        02032  0601 00 0 03721  10001          STO     OPSNUM
        02033  0074 00 4 15400  10011          TSX     .FCNV.,4
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        02034  0500 00 0 27047  10000          CLA     INUM                                          LNK40539
        02035  0074 00 4 15400  10011          TSX     .FCNV.,4                                      LNK40540
        02036  000000000000     00010          CALL    .FFIL.'2184'                                  LNK40541
        02036  0074 00 4 06400  10011
        02037  1 00000 0 00402  10011
        02040  0 04303 0 04210  10100
        02041  0500 00 0 00572  10001          CLA     MESSAG          INCORRECT RESPONSE COUNTER/CYCLE
        02042  0400 00 0 04271  10001          ADD     =1
        02043  0601 00 0 00572  10001          STO     MESSAG
        02044  0500 00 0 04014  10001          CLA     FMIN                                          LNK40542
        02045  0621 00 0 02076  10001  F1      STA     DG2                                           LNK40543
        02046  0500 00 0 03661  10001          CLA     KEYS            TEST FOR G-NT CHANGE
        02047  0771 00 0 00004  10000          ARS     4                                             LNK40546

BINARY CARD ID. NETSIN63
        02050  4320 00 0 04005  10001          ANA     ONE                                           LNK40547
        02051  4100 00 0 00207  10001          TNZ     SCHED                                         LNK40548
        02052  0774 00 1 00000  10000          AXT     0,1                     GET FIRST LEVEL       LNK40549
        02053  0441 00 0 04235  10001          LDI     INDICT
        02054  0057 00  000300  10000          RIR     300
        02055  0604 00 0 04235  10001          STI     INDICT          GSUM-TOV SIGNAL
        02056  0500 00 0 04011  10001          CLA     INEXT                   INITIALIZE NETWORK ADDRESS    LNK40550
        02057  0601 00 0 04012  10001          STO     NTAG2                                         LNK40551
        02060  0621 00 0 02131  10001          STA     DG3
        02061  0621 00 0 02200  10001          STA     DG4
        02062  0621 00 0 02127  10001          STA     DG30
        02063  0621 00 0 02134  10001          STA     DG3+3
        02064  0500 00 0 04271  10001          CLA     =1
        02065  0601 00 0 02662  10001          STO     STRING          INITIALIZE STRING COUNTER
        02066  0500 00 0 04224  10001          CLA     NULEVS          INITIALIZE LEVEL COUNTER
        02067  0402 00 0 04271  10001          SUB     =1
        02070  0734 00 4 00000  10000          PAX     0,4
        02071  0100 00 0 02663  10001          TZE     ONELEV
        02072  0634 00 4 03153  10001          SXA     LVCNTR,4        SAVE LEVEL COUNTER

BINARY CARD ID. NETSIN64
        02073  0500 00 1 30066  10000  DG0     CLA     OVAL,1                  GET LOCATION OF OUTPUT        LNK40552
        02074  0621 00 0 02075  10001          STA     DG1                     FOR THIS LEVEL                LNK40553
        02075  4774 00 2 00000  10000  DG1     AXC     **0,2                   GET OUTPUT INDEX              LNK40554
        02076  0560 00 1 00000  10000  DG2     LDQ     **0,1                   GET F VALUE (+OR-)            LNK40555
                               02077           QMPYC   NTAG2,0                                               LNK40556
        02103  0601 00 0 04037  10001          STO     FACT                                                  LNK40557
        02104  0774 00 4 00004  10000          AXT     4,4                                                   LNK40558
        02105  0634 00 4 04030  10001          SXA     GSET,4                  SET UP LOOPS FOR 4 G-SETS     LNK40559
        02106  4774 00 2 00013  10000          AXC     11,2                                                  LNK40560
        02107  0500 60 0 04012  10001          CLA*    NTAG2                                                 LNK40561
        02110  4734 00 4 00000  10000          PDX     0,4                                                   LNK40562
        02111  0634 00 4 02327  10001          SXA     NOPRI,4                 SAVE NO. OF PRIMARY LINES(Y)  LNK40563
        02112  0734 00 4 00000  10000          PAX     0,4                                                   LNK40565
        02113  0634 00 4 02175  10001          SXA     DG3.5,4                 SAVE NO. OF STATE LINES(X)    LNK40566
        02114  0634 00 1 04022  10001          SXA     LEVNO,1                 SAVE LEVEL NUMBER             LNK40569
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                                       * CALULATIOON OF MEAN OF INPUT
        02115  0500 00 1 30066  10000          CLA     OVAL,1                                        LNK40571
                                                                                                     LNK40572
BINARY CARD ID. NETSIN65
        02116  0737 00 1 00000  10000          PAC     0,1                     INDEX FOR DIRECT EFF. ADDR.   LNK40573
        02117  4774 00 2 00014  10000          AXC     12,2                    GET INDEX OF 1ST INPUT LINE   LNK40574
        02120  0634 00 2 02176  10001          SXA     DG3.6,2                 SAVE FOR FURTHER USE          LNK40575
        02121  3 00000 4 02125  10001          TXH     DG30-2,4,0      DO STATE LINES
        02122  0774 00 4 00002  10000          AXT     2,4                     YES- SET UP LOOP FOR          LNK40577
        02123  0634 00 4 04030  10001          SXA     GSET,4                  2 PRIMARY GSETS               LNK40578
        02124  0020 00 0 02313  10001          TRA     DG6                                                   LNK40579
        02125  0600 00 0 04016  10001          STZ     TSUM                    INITIALIZE SUM                LNK40580
        02126  0600 00 0 04041  10001          STZ     N
        02127  0500 00 2 30303  10000  DG30    CLA     NEXT,2          GET LINE SIGN FOR PLUS SET TEST
        02130  4120 00 0 02150  10001  DG31    TMI     DG3.1           NO PLUS LINE SET-STATE/PRIMARY
        02131  0500 00 2 30301  10000  DG3     CLA     NEXT,2          GET LINE FOR END OF SET TEST
        02132  4120 00 0 02150  10001          TMI     DG3.1           SIGN CHANGE - TEST FOR ERROR.
        02133  0140 00 0 03231  10001          TOV     OFLOW
        02134  0500 60 2 30303  10000          CLA*    NEXT,2          GET LINE INPUT
        02135  0771 00 0 00006  10000          ARS     6                   B(1) TO B(7)
        02136  4625 00 0 04113  10001          STL     OFLOC
        02137  0400 00 0 04016  10001          ADD     TSUM
        02140  0140 00 0 03231  10001          TOV     OFLOW
```

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BINARY CARD ID. NETSIM66
        02141  0601 00 0 04016  10001          STO     TSUM
        02142  0500 00 0 04041  10001          CLA     N              LINE COUNT FOR DIVISION
        02143  0400 00 0 04005  10001          ADD     ONE
        02144  0601 00 0 04041  10001          STO     N
        02145  1 77777 2 00401  10011          TXI     *+1,2,-1
        02146  2 00001 4 02131  10001          TIX     DG3,4,1
        02147  1 77777 4 00401  10011          TXI     *+1,4,-1       REDUCES IR4 TO ZERO IF MINUS GSET FINISHED
        02150  0500 00 0 04041  10001  DG3.1   CLA     N              COMPUTE MEAN FOR SET
        02151  0441 00 0 04235  10001          LDI     INDICT         NO LINES IN SET
        02152  0054 00  002000  10000          RFT     2000
        02153  0100 00 0 02477  10001          TZE     LINERR         NOMINUS SIGN - ERROR
        02154  0054 00  002000  10000          RFT     2000           MINUS GSET - TEST TO SEE FF FINISHED
        02155  3 00000 4 02477  10001          TXH     LINERR,4,0     IF .GT. 0, SIGN CHANGE BEFORE IND.OF MINUS
        02156  4100 00 0 02167  10001          TNZ     DG3.2           END OF GSET -- OK
        02157  0055 00  002000  10000          SIR     2000           SET FOR MINUS SET
        02160  0604 00 0 04235  10001          STI     INDICT
        02161  0500 00 0 04030  10001          CLA     GSET           INCREMENT C-VALUE INDEX AND SET COUNTER
        02162  0402 00 0 04005  10001          SUB     ONE
        02163  0601 00 0 04030  10001          STO     GSET

BINARY CARD ID. NETSIM67
        02164  0500 00 0 02512  10001          CLA     SPLUS          CHANGE LINE SIGN TEST
        02165  0601 00 0 02132  10001          STO     DG3+1
        02166  0020 00 0 02131  10001          TRA     DG3            DO MINUS LINES
        02167  0500 00 0 04016  10001  DG3.2   CLA     TSUM
        02170  0131 00 0 00000  10000          XCA
        02171  4754 00 0 00000  10000          PXD     0,0
        02172  0221 00 0 04041  10001          DVP     N
        02173  0763 00 0 00006  10000          LLS     6
        02174  4600 00 0 04042  10001          STO     MEAN
```



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                                       * CALULATE  DG S                                                  LNK40595
        02175  0774 00 4 00000  10000  DG3.5   AXT     *+0,4          NUMBER OF INPUT LINES              LNK40596
        02176  0774 00 2 00000  10000  DG3.6   AXT     **0,2          INDEX OF NEXT INPUT LINE           LNK40597
        02177  0600 00 0 04040  10001          STZ     GSUM           INITIALIZE SUM OF G-WEIGHTS        LNK40598
        02200  0500 60 2 30303  10000  DG4     CLA*    NEXT,2         GET NEXT INPUT                     LNK40599
        02201  0402 00 0 04042  10001          SUB     MEAN           (X-MEAN)                           LNK40600
        02202  0131 00 0 00000  10000          XCA                                                       LNK40601
                               02203           QMPYF   DT,0                                              LNK40602

BINARY CARD ID. NETSIM68
        02207  0131 00 0 00000  10000          XCA                                                       LNK40603
        02210  0140 00 0 00401  10011          TOV     *+1                                               LNK40604
        02211  4625 00 0 04113  10001          STL     OFLOC                                             LNK40605
        02212  0200 00 0 04037  10001          MPY     FACT,0                                            LNK40606
                               02213           QADDD   NTAG2,0                                           LNK40609

BINARY CARD ID. NETSIM69
        02240  0131 00 0 00000  10000          XCA                                                       LNK40610
        02241  4620 60 0 04012  10001          SLQ*    NTAG2          STORE NEW G-WEIGHT                 LNK40611
        02242  0131 00 0 00000  10000          XCA                                                       LNK40612
        02243  0760 00 0 00003  10000          SSP                                                       LNK40613
        02244  0441 00 0 04235  10001          LDI     INDICT
        02245  0054 60  001000  10000          RFT     1000
        02246  0074 00 7 02522  10001          TSX     SQGWT,7
                               02247           QATWO   GSUM,0         ADD TO SUM OF G-WEIGHTS            LNK40614
        02254  0601 00 0 04040  10001          STO     GSUM                                              LNK40615

BINARY CARD ID. NETSIM70
        02255  1 77777 2 00401  10011          TXI     **1,2,-1                                          LNK40616
        02256  0500 60 0 04012  10001          CLA*    NTAG2          CHECK FOR NEG. G-SET               LNK40617
        02257  0441 00 0 04235  10001          LDI     INDICT
        02260  0054 00  002000  10000          RFT     2000                                              LNK40618
        02261  0020 00 0 00402  10011          TRA     **2            ON- DO NOT TEST                    LNK40619
        02262  4120 00 0 02265  10001          TMI     DIFF1          OFF-TEST                           LNK40620
        02263  2 00001 4 02200  10001          TIX     DG4,4,1        GET NEXT INPUT LINE                LNK40621
        02264  0020 00 0 02303  10001          TRA     DIFF2          END OF STATE (OR PRIMARY) LINE     LNK40622
        02265  4625 00 0 02476  10001  DIFF1   STL     NTRA           END OF POSITIVE G-SET              LNK40623
        02266  0020 00 0 02334  10001          TRA     NORM           NORMALIZE G-WEIGHTS                LNK40624
        02267  0774 00 4 00000  10000          AXT     **,4           SAVE IR4
        02270  6 00001 4 02307  10001          TNX     DG5,4,1        TEST FOR END OF X OR Y LINES       LNK40625
        02271  0634 00 4 02175  10001          SXA     DG3.5,4
        02272  0441 00 0 04235  10001          LDI     INDICT
        02273  0055 00  002000  10000          SIR     2000           NO-SET SW FOR NEG G-SET            LNK40626
        02274  0604 00 0 04235  10001          STI     INDICT
        02275  0500 00 0 02512  10001          CLA     SPLUS          CHANGE LINE SIGN TEST
        02276  0601 00 0 02132  10001          STO     DG3+1
        02277  0600 00 0 04041  10001          STZ     N

BINARY CARD ID. NETSIM71
        02300  0600 00 0 04016  10001          STZ     TSUM
        02301  0522 00 0 02176  10001          XEC     DG3.6          GET NEXT INPUT LINE FOR MEAN
        02302  0020 00 0 02131  10001          TRA     DG3             DO MINUS LINES
        02303  0057 00  002000  10000  DIFF2   RIR     2000           END OF NEG G-SET                   LNK40628
        02304  0604 00 0 04235  10001          STI     INDICT
        02305  4625 00 0 02476  10001          STL     NTRA                                              LNK40629
        02306  0020 00 0 02334  10001          TRA     NORM           NORMALIZE G-WEIGHTS                LNK40630
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                                    *  ENDOF X OOR Y LINES                                    LNK40631
02307  0534 00 4 04030  10001  DG5   LXA    GSET,4              TEST FOR END                  LNK40632
02310  0500 00 0 02513  10001        CLA    SMINUS        RESET LINE SIGN TEST
02311  0601 00 0 02132  10001        STO    DG3+1
02312  6 00001 4 02604  10001        TNX    ELEND,4,1           OF COMPONENT                  LNK40633
                                    *  PREARE (FFXO)XI FOR PRIMARY INPUT                      LNK40634
02313  0534 00 1 04022  10001  DG6   LXA    LEVNO,1             LEVEL NUMBER                  LNK40635
02314  1 77776 1 00401  10011        TXI    *+1,1,-2            GET INDEX OF F(I)             LNK40636
02315  0522 00 0 02076  10001        XEC    DG2                 LDQ F(I)                      LNK40637
02316  0522 00 0 02075  10001        XEC    DG1                 GET INDEX OF /                LNK40638
                       02317        QMPYC  NTAG2,G         FXO                                LNK40639

BINARY CARD ID. NETSIM72
02323  0601 00 0 04037  10001        STO    FACT                                              LNK40640
02324  0534 00 1 04022  10001        LXA    LEVNO,1             LEVEL NUMBER                  LNK40641
02325  0500 00 1 30054  10000        CLA    OVAL-10,1           INDEX FOR OUTPUT OF           LNK40642
02326  0777 00 1 00000  10000        PAC    0,1                 PREVIOUS LEVEL(PRIMARY I/P)   LNK40643
02327  0774 00 4 00000  10000  NOPXI  AXT    **0,4               NUMBER OF PRIMARY LINES       LNK40644
02330  7 00000 4 02604  10001        TXL    ELEND,4,0           TEST FOR ZERO PRIMARY LINES   LNK40645
02331  0634 00 4 02175  10001        SXA    DG3.5,4             SAVE Y FOR 2ND LOOP           LNK40646
02332  0522 00 0 02176  10001        XEC    DG3.6               GET INDEX OF NEXT I/P LINE    LNK40648
02333  0020 00 0 02125  10001        TRA    DG30-2        PRUCESS DG FOR PRIMARY LINCS
                                    *  ENDOF A GG-SET. THIS ROUTINE WILL NORMALIZE            LNK40650
                                    *  THEG-WEIGGHTS IN A G-SET.                              LNK40651
02334  4634 00 2 02403  10001  NORM   SXD    NORM1,2             SAVE INPUT OF NEXT I/P LINE   LNK40652
02335  4634 00 2 02466  10001        SXD    NORM4,2                                           LNK40653
02336  0634 00 4 02267  10001        SXA    DIFF1+2,4     SAVE   IR4
02337  0534 00 2 04030  10001  NM     LXA    GSET,2              GET INDEX OF CORREST          LNK40654
02340  1 77770 2 00401  10011        TXI    *+1,2,-8            CONSTANT FOR SUM OF G S       LNK40655
02341  0500 60 0 04012  10001        CLA*   NTAG2               GET CONSTANT SUM              LNK40656
02342  0402 00 0 04040  10001        SUB    GSUM                COMPARE WITH COMPUTED SUM     LNK40657
02343  4340 00 0 04021  10001        LAS    1010                IF DIFFERENCE IS SMALL,       LNK40658
02344  0020 00 0 00403  10011        TRA    *+3                 GS ARE NORMALIZED             LNK40659
02345  0020 00 0 02470  10001        TRA    NORM5                                             LNK40660

BINARY CARD ID. NETSIM73
02346  0020 00 0 02470  10001        TRA    NORM5                                             LNK40661
02347  0601 00 0 04032  10001        STO    DIFF                STORE DIFFERENCE              LNK40662
02350  0765 00 0 00000  10000        LRS    0                   SAVA SIGN OF DIFFERENCE       LNK40663
                                    *  COMUTE SUUM OF UNSATURATED G S                         LNK40664
02351  0522 00 0 02176  10001        XEC    DG3.6               GET FIRST INPUT LINE OF G-SET LNK40665
02352  0600 00 0 04040  10001        STZ    GSUM                                              LNK40666
02353  0600 00 0 02603  10001        STZ    NUGWTS        RESET G COUNTER OFR DG NORM OPERATION
02354  0500 60 0 04012  10001  UNSAT  CLA*   NTAG2               CHECK G-WT FOR                LNK40667
02355  4320 00 0 04007  10001        ANA    MASK                SATURATION                    LNK40668
02356  0340 00 0 30053  10000        CAS    GSAT                                              LNK40669
02357  0162 00 0 02402  10001        TQP    INCR                IF DIFF IS +, SATURATED       LNK40670
02360  0162 00 0 02402  10001        TQP    INCR                                              LNK40671
02361  4100 00 0 00403  10011        TNZ    *+3                 BELOW SAT. VALUE,UNSAT IF NON-ZERO LNK40672
02362  0162 00 0 00402  10011        TQP    *+2                 G-WT ZERO, DIFF +, UNSATURATED LNK40673
02363  0020 00 0 02402  10001        TRA    INCR                DIFF -, G-WT IS ZERO, SATURATED LNK40674
02364  0601 00 0 03573  10001        STO    SGWT
02365  0500 00 0 02603  10001        CLA    NUGWTS        COUNT OF GS IN SUM
02366  0400 00 0 04271  10001        ADD    =1
02367  0601 00 0 02603  10001        STO    NUGWTS
02370  0441 00 0 04235  10001        LDI    INDICT
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BINARY CARD ID. NETSIM74
02371  0054 00  001000  10000        RFT    1000
02372  0074 00 7 02522  10001        TSX    SQGWT,7
02373  0500 00 C 03573  10001        CLA    SGWT
                       02374        QATWO  GSUM,0              UNSATURATED--ADD TO SUM       LNK40675
02401  0601 00 0 04040  10001        STO    GSUM                                              LNK40676
02402  1 77777 2 00401  10011  INCR   TXI    *+1,2,-1                                          LNK40677
02403  3 00000 2 02354  10001  NORM1  TXH    UNSAT,2,**0                                       LNK40678
02404  0500 00 0 04040  10001        CLA    GSUM                                              LNK40683
02405  0601 00 0 03155  10001        STO    GSUM1
02406  0600 00 0 04040  10001        STZ    GSUM                                              LNK40685
02407  0522 00 0 02176  10001        XEC    DG3.6               INDEX OF FIRST I/P LINE       LNK40686
02410  0500 60 0 04012  10001  NORM2  CLA*   NTAG2                                             LNK40687
02411  4320 00 0 04007  10001        ANA    MASK                                              LNK40688
02412  0560 00 0 04032  10001        LDQ    DIFF                GET SIGN OF DIFFERENCE        LNK40689
02413  0340 00 0 30053  10000        CAS    GSAT                COMPARE WITH SATURATION PT.   LNK40690

BINARY CARD ID. NETSIM75
02414  0162 00 0 02457  10001        TQP    NORM3               SATURATED                     LNK40691
02415  0162 00 0 02457  10001        TQP    NORM3               SATURATED                     LNK40692
02416  4100 00 0 00403  10011        TNZ    *+3                 UNSAT                         LNK40693
02417  0162 00 0 00402  10011        TQP    *+2                 UNSAT                         LNK40694
02420  0020 00 0 02457  10001        TRA    NORM3               SAT                           LNK40695
02421  0560 00 0 04004  10001        LDQ    ZERO          UNSATURZTED--ADJUST
02422  0441 00 0 04235  10001        LDI    INDICT
02423  0054 00  001000  10000        RFT    1000
02424  0074 00 7 02533  10001        TSX    DLTSQG,7
02425  0765 00 0 00006  10000        LRS    6             P(7)
02426  0221 00 0 03155  10001        DVP    GSUM1         (H6) ALWAYS GREATER THAN GWT-B(0)
02427  0760 00 0 00012  10000        DCT
02430  0074 00 6 02576  10001        TSX    GNG,6
02431  0200 00 0 04032  10001        MPY    DIFF          P(6)*B(0) = B(6)
02432  0763 00 0 00006  10000        LLS    6             P(.)      D-GWT
02433  0401 60 0 04012  10001        ADM*   NTAG2                   ADD INCREMENT             LNK40698
02434  4140 00 0 00403  10011        TNO    *+3           GWT IS REAL NOT MODULAR
02435  4120 00 0 02445  10001        TMI    SETOZE
02436  0500 00 0 30053  10000        CLA    GSAT
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BINARY CARD ID. NETSIN76
        02437  4120 00 0 02445  10001          TMI     SETOZE
        02440  4320 00 0 04007  10001  CONT    ANA     MASK                    IS NEW G OVER SATURATED          LNK40700
        02441  0140 00 0 30053  10000          CAS     GSAT                    YES-SET TO MAXIMUM               LNK40701
        02442  0500 00 0 30053  10000          CLA     GSAT                    EQUAL TO MAX                     LNK40702
        02443  0020 00 0 00401  10011          TRA     **3                     TEST FOR ZERO                    LNK40703
        02444  0120 00 0 00402  10011          TPL     **2
        02445  4754 00 C 00000  10000  SETOZE  PXD     0,0                     RECOVER ORIGINAL SIGN            LNK40705
        02446  0560 60 0 04012  10001          LDQ+    NTAG2                                                    LNK40706
        02447  0763 00 0 00000  10000          LLS     0                                                        LNK40707
        02450  0131 00 0 00000  10000          XCA                             STORE NEW G VALUE                LNK40708
        02451  4620 60 0 04012  10001          SLQ+    NTAG2                                                    LNK40709
        02452  0131 00 0 00000  10000          XCA                                                              LNK40710
        02453  0760 00 0 00003  10000          SSP
        02454  0441 00 3 04235  10001          LDI     INDICT
        02455  0094 00  001000  10000          MPT     1000
        02456  0074 00 7 02522  10001          TSX     SQGWT,7
                               02457   NORM3  DATWD   GSUM,0                  ADD TO NEW SUM                   LNK40711

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BINARY CARD ID. NETSIN77                                                                                        LNK40712
        02464  0601 00 0 04040  10001          STO     GSUM                                                     LNK40713
        02465  1 77777 2 00401  10011          TXI     **1,2,-1                                                 LNK40714
        02466  3 00000 2 02410  10001  NORM4   TXH     NORM2,,,**0             TEST FOR END OF G-SET            LNK40715
        02467  0020 00 0 02337  10001          TRA     NM                      YES-TEST NORMALIZATION           LNK40716
        02470  4534 00 2 02403  10001  NORM5   LXD     NORM1,2                                                  LNK40717
        02471  0634 00 2 02176  10001          SXA     DG3,6,2                 STORE INDEX OF NEXT I/P LINE     LNK40718
        02472  0500 00 0 04030  10001          CLA     GSET                    WORK ON NEXT G-SET               LNK40719
        02473  0402 00 0 04005  10001          SUB     ONE                                                      LNK40720
        02474  0601 00 0 04030  10001          STO     GSET                                                     LNK40721
        02475  4774 00 2 00001  10000          AXC     1,2                                                      LNK40722
        02476  0020 00 2 00000  10000  NTRA    TRA     **0,2                   RETURN
        02477  000000000000     00010  LINERR  CALL    .FWRD.(1,UA06,,LINRR)
        02477  0074 00 4 11400  10011
        02500  1 00002 0 00404  10011
        02501  0 04303 0 02427  10100
        02502  0 00000 0 15000  10011
        02503  0 00000 0 02514  10000

BINARY CARD ID. NETSIN78
        02504  000000000000     00010          CALL    .FFIL.
        02504  0074 00 4 06400  10011
        02505  1 00000 0 00402  10011
        02506  0 04303 0 02430  10100
        02507  000000000000     00010          CALL    EXIT
        02507  0074 00 4 03400  10011
        02510  1 00000 0 00402  10011
        02511  0 04303 0 02431  10100
        02512  0120 00 0 02150  10001  SPLUS   TPL     DG3,1           TEST FOR END OF MINUS GSET
        02513  4120 00 0 02150  10001  SMINUS  TMI     DG3,1           TEST FOR END OF PLUS GSET
        02514  740211300124     10000  LINRR   BCI     6,(29HLOG LINE SIGN OR COUNT ERROR.)
        02515  276043314525     10000
        02516  606231274560     10000
        02517  465140234664     10000
        02520  456360255151     10000
        02521  465133346060     10000
        02522  0131 00 0 00000  10000  SQGWT   XCA
        02523  0200 60 0 04012  10001          MPY+    NTAG2           SQUARE GWEIGHT
        02524  0140 00 0 00401  10011          TOV     **1

BINARY CARD ID. NETSIN79
        02525  0771 00 0 00004  10000          ARS     4               R(2)--R(6)
        02526  4625 00 0 04113  10001          STL     OFLOC
        02527  0760 00 0 00003  10000          SSP
        02530  0400 00 0 04040  10001          ADD     GSUM            R(6)
        02531  0140 00 0 03231  10001          TOV     OFLOW
        02532  0020 00 7 00006  10000          TRA     6,7
        02533  0560 60 0 04012  10001  DLTSQG  LDQ+    NTAG2           R(1)
        02534  0200 60 0 04012  10001          MPY+    NTAG2           R(2)   GWEIGHT SQUARED
        02535  0601 00 0 04227  10001          STO     AAA             SAVE OLD GWT SQUARED
        02536  0765 00 0 00006  10000          LRS     6
        02537  0221 00 0 03155  10001          DVP     GSUM1           R(8)/R(6) = R(2)
        02540  0760 00 0 00012  10000          DCT
        02541  0074 00 6 02576  10001          TSX     GWG,6
        02542  0200 00 0 04032  10001          MPY     DIFF            R(6)*R(2)
        02543  0763 00 0 00006  10000          LLS     6               R(2)

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        02544  0140 00 0 00401  10011          TOV     **1
        02545  0400 00 0 04227  10001          ADD     AAA             DELTA GWT SQ  + OLD GWT SQ
        02546  4625 00 0 04113  10001          STL     OFLOC
        02547  0140 00 0 03231  10001          TOV     OFLOW

BINARY CARD ID. NETSIN80
        02550  4120 00 0 02445  10001          TMI     SETOZE
        02551  0601 00 0 04227  10001          STO     AAA
        02552  0634 00 4 02574  10001          SXA     SAVFOR,4
        02553  000000000000     00010          CALL    BTOF(AAA,-2,AAA)    CHAGE TO FLOATINT-POINT
        02553  0074 00 4 04000  10011
        02554  1 00003 0 00405  10011
        02555  0 04303 0 02466  10100
        02556  0 00000 0 04227  10001
        02557  0 00000 0 04301  10001
        02560  0 00000 0 04227  10001
        02561  000000000000     00010          CALL    SQRT(AAA)       GET SQUARE ROOT
        02561  0074 00 4 12000  10011
        02562  1 00001 0 00403  10011
        02563  0 04303 0 02467  10100
        02564  0 00000 0 04227  10001
        02565  0601 00 0 04227  10001          STO     AAA
        02566  000000000000     00010          CALL    BPOINT(AAA,-1)      CHANGE TO BINARY POINT
        02566  0074 00 4 02000  10011
        02567  1 00002 0 00404  10011
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BINARY CARD ID. NETSIN01
        02570  0 04303 0 02671  10100
        02571  0 00000 0 04227  10001
        02572  0 00000 0 04271  10001
        02573  0500 00 0 04227  10001          CLA     AAA          *DELTA WEIGHT
        02574  0774 00 4 00000  10000  SAVFOR AXT     **,4
        02575  0020 00 0 02440  10001          TRA     CONT        CONTINUE
        02576  4754 00 0 00000  10000  CWG    PXD     0,0
        02577  0560 00 0 04302  10001          LDQ     =0200000000000J          16(1)
        02600  0221 00 0 02603  10001          DVP     NWGWTS
        02601  0140 00 0 00401  10011          TOV     **1
        02602  0020 00 6 00001  10000          TRA     1,6
        02603  0 00000 0 00000  10000  NWGWTS PZE     0
                                       * DG OMPUTATIONS FOR A COMPONENT ARE                                  LWK40726
                                       * FINISHED.  GET NEXT COMPONENT.                                      LWK40727
        02604  0774 00 2 00000  10000  ELEND  AXT     0,2                 GET ADDRESS OF NEXT               LWK40728
        02605  0441 00 0 04235  10001          LDI     INDICT
        02606  0057 00  00200  10000          RIR     200         1ST COMP TEST --PUMP
        02607  0404 00 0 04235  10001          STI     INDICT
        02610  0500 60 0 04012  10001          CLA*    NTAG2               COMPONENT,INITIALIZE              LWK40729
        02611  0621 00 0 04012  10001          STA     NTAG2               LOCATION USING II                 LWK40730
        02612  0621 00 0 02131  10001          STA     DG3                                                   LWK40731

BINARY CARD ID. NETSIN02
        02613  0621 00 0 02127  10001          STA     DG30
        02614  0621 00 0 02134  10001          STA     DG3+3
        02615  0621 00 0 02200  10001          STA     DG4                                                   LWK40732
        02616  0534 00 1 04022  10001          LXA     LEVNO,1                                               LWK40733
        02617  0500 60 0 04012  10001          CLA*    NTAG2               TEST FOR END OF LEVEL             LWK40734
        02620  0441 00 0 04235  10001          LDI     INDICT


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        02621  0054 00  004000  10000          RFT     4000        TEST FOR LAST LEVEL OPERATION
        02622  0020 00 0 03156  10001          TRA     NWSTT       YES-GO TO LAST LEVEL CONTROL PROGRAMP
        02623  0120 00 0 02073  10001          TPL     DG0                                                   LWK40735
        02624  0534 00 4 03153  10001          LXA     LVCNTR,4    LEVEL COUNTER
        02625  6 00001 4 02627  10001          TNX     LASLEV,4,1  START LAST LEVEL OPERATION
        02626  1 77766 1 02072  10001          TXI     DG0-1,1,-10 INDEX TO NEXT LEVEL INFORMATION
        02627  0055 00  004000  10000  LASLEV SIR     4000        NORMALIZE LAST LEVEL
        02630  0404 00 0 04235  10001          STI     INDICT
        02631  1 77766 1 00401  10011          TXI     **1,1,-10   INCREMENT LEVEL INFORMATION INDEX
        02632  0500 00 0 03035  10001  NEXSTR CLA     COMBIN      TEST FOR COMBINATIONS OF STRINGS
        02633  0100 00 0 02644  10001          TZE     NEXST1      NO COMBINATIONS OF STRINGS
        02634  0500 00 0 02662  10001          CLA     STRING      NEXT STRING NUMBER
        02635  0621 00 0 02640  10001          STA     KEYTST

BINARY CARD ID. NETSIN03
        02636  0774 00 5 00000  10000  MIXED1 AXT     **,5
        02637  0560 00 5 03006  10001          LDQ     KEYCOM,5    GET FIX MASK
        02640  4763 00 0 00000  10000  KEYTST LGL     **          SHIFT KEY BIT TO AC(35)
        02641  4320 00 0 04005  10001          ANA     ONE
        02642  0100 00 0 02650  10001          TZE     OLDF        OFF-STRING NOT IN MASK
        02643  0020 00 0 02652  10001          TRA     NEWF        ON-
        02644  0500 00 0 02662  10001  NEXST1 CLA     STRING      1ST/NEXT STRING
        02645  0340 00 0 27050  10000          CAS     KEY         NO. OF CONTRIBUTING GROUP
        02646  0020 00 0 00402  10011          TRA     **2         NON-CONTRIBUTING GROUP  FRIN
        02647  0020 00 0 02652  10001          TRA     NEWF        CONTRIBUTING GROUP  FPLS
        02650  0500 00 0 04014  10001  OLDF   CLA     FRIN        NON-CONTRIBUTING STRING
        02651  0020 00 0 00402  10011          TRA     **2
        02652  0500 00 0 04013  10001  NEWF   CLA     FPL         CONTRIBUTING GROUP
        02653  0621 00 0 02076  10001          STA     DG2
        02654  0500 00 0 04026  10001          CLA     N           NO. OF COMPONENTS IN GROUP
        02655  0601 00 0 04114  10001          STO     NSNCTR
        02656  0500 00 0 02662  10001          CLA     STRING      INCREMENT STRING NO. FOR NEXT TEXT
        02657  0400 00 0 04271  10001          ADD     =1
        02660  0601 00 0 02662  10001          STO     STRING

BINARY CARD ID. NETSIN04
        02661  0020 00 0 02073  10001          TRA     DG0         START NORMALIZATION OF THIS GROUP
        02662  000000000001     10000  STRING DEC     1
        02663  0600 00 0 03153  10001  ONELEV STZ     LVCNTR
        02664  0774 00 1 00012  10000          AXT     10,1
        02665  0020 00 0 02627  10001          TRA     LASLEV
        02666  0535 00 5 03005  10001  COMB1  LAC     COMBIN,5    * OF OUTPUT COMBINATIONS
        02667  4634 00 5 02713  10001          SXD     COMB4,5
        02670  4634 00 5 02747  10001          SXD     COMB6,5
        02671  4634 00 5 02763  10001          SXD     COMB9,5
        02672  0774 00 5 00000  10000          AXT     0,5         KEYCOMP COUNTER
        02673  0774 00 6 00000  10000          AXT     0,6         STRING COUNTER
        02674  0774 00 7 00022  10000  COMB2  AXT     18,7        MASK SHIFT COUNTER  (18 MAX)
        02675  0560 00 5 03006  10001          LDQ     KEYCOM,5    GET MASK
        02676  4754 00 0 00000  10000  COMB3  PXD     0,0         CLEAR AC
        02677  4763 00 0 00001  10000          LGL     1           TEST 1ST/NEXT BIT
        02700  0100 00 0 02705  10001          TZE     COMB31
        02701  0500 00 6 04043  10001          CLA     STRING,6    ON-ADD TO KEYCOM OUTPUT
        02702  0400 00 0 04035  10001          ADD     CHSUM       B(6)
        02703  0601 00 0 04035  10001          STO     CHSUM
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BINARY CARD ID. NETSIM85
        02704  0140 00 0 02765  10001          TOV     TOMANY
        02705  1 77777 6 00401  10011  COMB31  TXI     **1,6,-1        INDEX TO NEXT STRING ADDR.
        02706  2 00001 7 02676  10000          TIX     COMB3,7,1       TEST FOR END OF MASK
        02707  0771 00 0 00022  10000          ARS     18              B(24)
        02710  0601 00 5 03006  10001          STA     KEYCOM,5        AC(21-35) BP(24-25)
        02711  0600 00 0 04035  10001          STZ     CNSUM
        02712  1 77777 5 00401  10011          TXI     **1,5,-1        INDEX TO NEXT MASK
        02713  3 00000 5 02674  10001  COMB4   TXH     COMB2,5,**
        02714  0600 00 0 04114  10001          STZ     MSHCTR
        02715  0774 00 5 00000  10000          AXT     0,5
        02716  0500 00 0 04114  10001  COMB5   CLA     MSHCTR
        02717  0400 00 0 04005  10001          ADD     ONE
        02720  0601 00 0 04114  10001          STO     MSHCTR
        02721  0534 00 5 03006  10001          LXA     KEYCOM,5
        02722  0600 00 0 04227  10001          STZ     AAA
        02723  4634 00 5 04227  10001          SXD     AAA,5           C(Y)3-17 GIVES B(4) TO B(6)
        02724  000000000000     00010          CALL    BTOF(AAA,=6,AAA)
        02725  0074 00 4 04000  10011
        02725  1 00003 0 00405  10011

BINARY CARD ID. NETSIM86
        02726  0 04303 0 02625  10100
        02727  0 00000 0 04227  10001
        02730  0 00000 0 04300  10001
        02731  0 00000 0 04227  10001
        02732  000000000000     00010          CALL    .FWRD.(.UN06.,MISM1)
        02732  0074 00 4 11400  10011
        02733  1 00002 0 00404  10011
        02734  0 04303 0 02626  10100
        02735  0 00000 0 15000  10011
        02736  0 00000 0 03653  10001
        02737  0500 00 0 04114  10001          CLA     MSHCTR
        02740  0074 00 4 15400  10011          TSX     .FCNV.,4
        02741  0500 00 0 04227  10001          CLA     AAA
        02742  0074 00 4 15400  10011          TSX     .FCNV.,4
        02743  000000000000     00010          CALL    .FFIL.
        02743  0074 00 4 06400  10011
        02744  1 00000 0 00402  10011
        02745  0 04303   02633  10100
        02746  1 77777 1 00401  10011          TXI     **1,1,-1

BINARY CARD ID. NETSIM87
        02747  3 00000 1 02716  10001  COMB6   TXH     COMB5,1,**      TEST FOR MORE KEYCOMS
        02750  0535 00 4 27050  10000          LAC     KEY,4           KEY OUTPUT VALUE INDEX
        02751  1 00001 4 00401  10011          TXI     **1,4,-
        02752  0634 00 4 02636  10001          SXA     MIXED1,4
        02753  0500 00 4 03006  10001          CLA     KEYCOM,4        KEY OUTPUT VALUE
        02754  0734 00 5 00000  10000          PAX     0,5
        02755  4634 00 5 02761  10001          SXD     COMB8,5
        02756  0774 00 4 00000  10000          AXT     0,4
        02757  0500 00 4 03006  10001  COMB7   CLA     KEYCOM,4
        02760  0734 00 6 00000  10000          PAX     0,6
        02761  3 00000 6 02023  10001  COMB8   TXH     FORGET,6,**     TEST FOR GREATER OUTPUT -YES INCORRECT
        02762  1 77777 4 00401  10011          TXI     **1,4,-1        NO -TEST FOR MORE KEYCOMS
        02763  3 00000 4 02757  10001  COMB9   TXH     COMB7,4,**
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        02764  0020 00 0 02002  10001          TRA     FIX             OUTPUT CORRECT
        02765  000000000000     00010  TOMANY  CALL    .FWRD.(.UN06.,TOM)
        02765  0074 00 4 11400  10011
        02766  1 00002 0 00404  10011
        02767  0 04303 0 02653  10100
        02770  0 00000 0 15000  10011

BINARY CARD ID. NETSIM88
        02771  0 00000 0 02776  10001
        02772  000000000000     00010          CALL    .FFIL.
        02772  0074 00 4 06400  10011
        02773  1 00000 0 00402  10011
        02774  0 04303 0 02654  10100
        02775  0020 00 0 01401  10011          TRA     NETSIM+1
        02776  740303306063     10000  TOM     BCI     7,(33H TO MANY STRINGS FOR COMB OPTION.)
        02777  466044214570     10000
        03000  406263513145     10000
        03001  276260264651     10000
        03002  602346442260     10000
        03003  464763314665     10000
        03004  333460606060     10000
        03005  0 00000 0 00000  10000  COMBIN  PZE     0
        03006  200000000144     00001  KEYCOM  BSS     100
        03152  200000000001     00001  DGVALU  BSS     1
        03153  200000000001     00001  LVCNTR  BSS     1               NO. OF LEVELS -1
        03154  0 00000 0 00000  10000  ABICAD  PZE     0
        03155  200000000001     00001  GSUM1   BSS     1

BINARY CARD ID. NETSIM89
        03156  0100 00 0 03164  10001  NWSTT   TZE     EXNWST          END OF LAST LEVEL
        03157  0500 00 0 04114  10001          CLA     MSHCTR          MORE COMPONENTS THIS LEVEL
        03160  0402 00 0 04271  10001          SUB     =1              INCREMENT INDEX FOR NO. OF COMP. THIS GROUP
        03161  0601 00 0 04114  10001          STO     MSHCTR
        03162  4100 00 0 02073  10001          TNZ     DGO             CONTINUE THIS GROUP
        03163  0020 00 0 02632  10001          TRA     NEXSER          START NEW GROUP
        03164  0057 00  004000  10000  EXNWST  RIR     4000
        03165  0604 00 0 04235  10001          STI     INDICT
        03166  000000000000     00010  GWPRT   CALL    GPRT(MGPR,GWPC,CNTR,NEXT,OPSNUM)
        03166  0074 00 4 03000  10011
        03167  1 00005 0 00407  10011
        03170  0 04303 0 02675  10100
        03171  0 00000 0 00613  10001
        03172  0 00000 0 00614  10001
        03173  0 00000 0 00615  10001
        03174  0 00000 0 30303  10000
        03175  0 00000 0 03721  10001
        03176  0441 00 0 04235  10001          LDI     INDICT
        03177  00 0 00 0 00207  10001          TRA     SCHEI
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BINARY CARD ID. NETSIM90
      03200  000000000200      10000  C128   DEC     128                                          LNK40743
      03201  0634 00 2 03224   10001  WKES   SXA     SAV2,2                                       LNK40747
      03202  0500 00 0 03721   10001         CLA     OPSNUM                                       LNK4A
      03203  0767 00 0 00022   10000         ALS     18
      03204  0622 00 0 30047   10000         STD     SKIP
      03205  000000000000      00010         CALL    WRTNET(SKIP,NETTAP,NETMAX)                   LNK40748


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      03205  0074 00 4 06000   10011
      03206  1 00003 0 00405   10011
      03207  0 04303 0 02705   10100
      03210  0 00000 0 30047   10000
      03211  0 00000 0 04225   10001
      03212  0 00000 0 04234   10001
      03213  000000000000      00010         CALL    .FPRN.(RBCD)'2423'                           LNK40749
      03213  0074 00 4 05000   10011
      03214  1 00001 0 00403   10011
      03215  0 04303 0 04567   10100
      03216  0 00000 0 03731   10001
      03217  000000000000      00010         CALL    .FFIL.                                       LNK40750
      03217  0074 00 4 06400   10011

BINARY CARD ID. NETSIM91
      03220  1 00000 0 00402   10011
      03221  0 04303 0 02707   10100
      03222  0760 00 0 00162   10000         SWT     2
      03223  0020 00 0 01401   10011         TRA     NETSIN+1
      03224  0774 00 2 00000   10011  SAV2   AXT     *-*,2                                        LNK40752
             1 00001 7 00001   11010
      03225  0441 00 0 04235   10001         LDI     INDICT
      03226  0020 00 0 00207   10001         TRA     SCHED                                        LNK40753
      03227  0500 00 0 04005   10001  SETSW  CLA     ONE          QATWG OVERFLOW SIGNAL
      03230  0601 00 0 03260   10001         STO     QADTO
      03231  000000000000      00010  OFLOW  CALL    .FWRD.(.UN06.,OFBCD)'2435'                   LNK40754
      03231  0074 00 4 11400   10011
      03232  1 00002 0 00404   10011
      03233  0 04303 0 04603   10100
      03234  0 00000 0 15000   10011
      03235  0 00000 0 04252   10001
      03236  0500 00 0 04113   10001         CLA     OFLOC                                        LNK40755
      03237  0074 00 4 15400   10011         TSX     .FCNV.,4                                     LNK40756
      03240  000000000000      00010         CALL    .FFIL.'2435'                                 LNK40757

BINARY CARD ID. NETSIM92
      03240  0074 00 4 06400   10011
      03241  1 00000 0 00402   10011
      03242  0 04303 0 04603   10100
      03243  0500 00 0 03260   10001         CLA     QADTO
      03244  0100 00 0 00407   10011         TZE     *+7
      03245  0441 00 0 04235   10001         LDI     INDICT
      03246  0054 00  000100   10000         RFT     100
      03247  0020 00 0 03255   10001         TRA     BIADJ        LEVEL SUM OVERFLOW-ADJUST BIAS
      03250  0054 00  000200   10000         RFT     200
      03251  0020 00 0 00401   10011         TRA     *+1
      03252  0020 00 0 00401   10011         TRA     *+1
      03253  0420 00 0 00401   10011         HPR     *+1
      03254  0020 00 0 40401   10011         TRA     *-1                                          LNK40759
      03255  0500 00 0 04015   10001  BIADJ  CLA     QSUM
      03256  0600 00 0 03260   10001         STZ     QADTO
      03257  0020 00 0 01432   10001         TRA     ITER
      03260  0 00000 0 00000   10000  QADTO  PZE     0
      03261  0634 00 4 03570   10001  PKINT  SXA     PRTRA,4                                      LNK40760
      03262  0534 00 1 00772   10001         LXA     LEV1,1                LEVEL IDEX             LNK40763


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BINARY CARD ID. NETSIM93
      03263  0634 00 2 03566   10001         SXA     PR2,2
      03264  0634 00 1 03567   10001         SXA     PR2+1,1
      03265  000000000000      00010         CALL    .FWRB.(.UN03.)                               LNK40764
      03265  0074 00 4 11000   10011
      03266  1 00001 0 00403   10011
      03267  0 04303 0 02745   10100
      03270  0 00000 0 16400   10011
      03271  0500 00 0 04224   10001         CLA     NULEVS                                       LNK40765
      03272  0074 00 4 17000   10011         TSX     .FBLT.,4                                     LNK40766
      03273  0500 00 0 04023   10001         CLA     LEVCT                                        LNK40767
      03274  0074 00 4 17000   10011         TSX     .FBLT.,4                                     LNK40768
      03275  0500 00 0 04024   10001         CLA     COMCT
      03276  0074 00 4 17000   10011         TSX     .FBLT.,4
      03277  0500 00 0 04231   10001         CLA     XXXX                                         LNK40769
      03300  0074 00 4 17000   10011         TSX     .FBLT.,4                                     LNK40770
      03301  0500 00 0 04232   10001         CLA     YYYY                                         LNK40771
      03302  0074 00 4 .7000   10011         TSX     .FBLT.,4                                     LNK40772
      03303  0500 00 1 30056   10000         CLA     MI,1                                         LNK40773
      03304  0074 00 4 17000   10011         TSX     .FBLT.,4                                     LNK40774
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BINARY CARD ID. NETSIM94
      03305  0500 00 1 30055  10000          CLA     NS,1                                          LNK40775
      03306  0074 00 4 17000  10011          TSX     .FBLT.,4                                      LNK40776
      03307  0500 00 1 30063  10000          CLA     BIAS,1                                        LNK40777
      03310  0074 00 4 17000  10011          TSX     .FBLT.,4                                      LNK40778
      03311  0074 00 4 17400  10011          TSX     .FWLR.,4
      03312  0500 00 1 30066  10000          CLA     OVAL,1          RELATIVE OUTPUT ADDRESS FOR THES LEVEL
      03313  0621 00 0 03326  10001          STA     BQP1
      03314  0621 00 0 03424  10001          STA     DQP1
      03315  000000000000     00010          CALL    .FWRB.(.UN03.)
      03315  0074 00 4 11000  10011
      03316  1 00001 0 00403  10011
      03317  0 04303 0 02772  10100
      03320  0 00000 0 16400  10011
      03321  0535 00 2 00723  10001          LAC     LEVIR,2         RELATIVE COMPONENT ADDRESS OF 1ST
      03322  0754 00 2 00000  10000          PXA     0,2                  COMPONENT FOR MHIS LEVEL
      03323  5400 00 0 04011  10001          ADD     INEXT           ABSOLUTE ADDR OF 1ST COMP THIS LEVEL
      03324  0621 00 0 03154  10001          STA     ABICAD
      03325  0737 00 2 00000  10000  BQPLPN  PAC     0,2             ABSOLUTE ADDRESS OF COMPONENT
      03326  0500 00 2 00000  10000  BQP1    CLA     **,2            OUTPUT OF COMPONENT

BINARY CARD ID. NETSIM95
      03327  0074 00 4 17000  10011          TSX     .FBLT.,4
      03330  0500 60 2 00000  10000          CLA*    0,2             1ST WORD OF NEXT COMPONENT
      03331  4120 00 0 03334  10001          TMI     BFIN            END LOGICAL BINARY RECORE(PDP TAPE)
      03332  0500 00 2 00000  10000          CLA     0,2             1ST WORD OF 1ST COMP OF LEVEL IS MINUS
      03333  0020 00 0 03325  10001          TRA     BQPLPN          GET OUTPUT OF NEXT COMPONENT
      03334  0074 00 4 17400  10011  BFIN    TSX     .FWLR.,4
      03335  0534 00 1 00772  10001          LXA     LEVI,1
      03336  0500 00 1 30055  10000          CLA     NS,1                                          LNK40779
      03337  0601 00 0 04227  10001          STO     AAA                                           LNK40780
      03340  000000000000     00010          CALL    BTOF(AAA,=5,AAA)                              LNK40781
      03340  0074 00 4 04000  10011
      03341  1 00003 0 00405  10011
      03342  0 04303 0 03012  10100
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      03343  0 00000 0 04227  10001
      03344  0 00000 0 04272  10001
      03345  0 00000 0 04227  10001
      03346  0500 00 1 30063  10000          CLA     BIAS,1                                        LNK40782
      03347  0601 00 0 04230  10001          STO     BBB                                           LNK40783
      03350  000000000000     00010          CALL    BTOF(BBB,=9,BBB)                              LNK40784

BINARY CARD ID. NETSIM96
      03350  0074 00 4 04000  10011
      03351  1 00003 0 00405  10011
      03352  0 04303 0 03015  10100
      03353  0 00000 0 04230  10001
      03354  0 00000 0 04277  10001
      03355  0 00000 0 04230  10001
      03356  000000000000     00010          CALL    .FWRD.(.UN06.,BIASNO)
      03356  0074 00 4 11400  10011
      03357  1 00002 0 00404  10011
      03360  0 04303 0 03016  10100
      03361  0 00000 0 15000  10011
      03362  0 00000 0 03662  10001
      03363  0500 00 0 00604  10001          CLA     BIASCH
      03364  0074 00 4 15400  10011          TSX     .FCNV.,4
      03365  000000000000     00010          CALL    .FFIL.
      03365  0074 00 4 06400  10011
      03366  1 00000 0 00402  10011
      03367  0 04303 0 03021  10100
      03370  0600 00 0 00604  10001          STZ     BIASCH          RESET BIAS CHANGE COUNTER DOR LEVEL

BINARY CARD ID. NETSIM97
      03371  000000000000     00010          CALL    .FWRD.(.UN06.,PBCD1)'2452'                    LNK40785
      03371  0074 00 4 11400  10011
      03372  1 00002 0 00404  10011
      03373  0 04303 0 03624  10100
      03374  0 00000 0 15000  10011
      03375  0 00000 0 03745  10001
      03376  0500 00 0 04023  10001          CLA     LEVCT                                         LNK40786
      03377  0074 00 4 15400  10011          TSX     .FCNV.,4                                      LNK40787
      03400  0500 00 0 04227  10001          CLA     AAA                                           LNK40788
      03401  0074 00 4 15400  10011          TSX     .FCNV.,4                                      LNK40789
      03402  0500 00 0 04230  10001          CLA     BBB                                           LNK40790
      03403  0074 00 4 15400  10011          TSX     .FCNV.,4                                      LNK40791
      03404  000000000000     00010          CALL    .FFIL.'2452'                                  LNK40792
      03404  0074 00 4 06400  10011
      03405  1 00000 0 00402  10011
      03406  0 04303 0 03624  10100
      03407  000000000000     00010          CALL    .FWRD.(.UN06.,MULIN)
      03407  0074 00 4 11400  10011
      03410  1 00002 0 00404  10011

BINARY CARD ID. NETSIM98
      03411  0 04303 0 03033  10100
      03412  0 00000 0 15000  10011
      03413  0 00000 0 03714  10001
      03414  000000000000     00010          CALL    .FFIL.
      03414  0074 00 4 06400  10011
      03415  1 00000 0 00402  10011
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03416  0 04303 0 03034  10100
03417  0500 00 0 03154  10001          CLA     ABICAD
03420  0774 00 4 00005  10000  QPLP    AXT     5,4                                  LNK40800
03421  0737 00 2 00000  10000  DQPLPN  PAC     0,2
03422  0500 00 2 00001  10000          CLA     1,2                                  LNK40802
03423  0601 00 4 04122  10001          STO     NAM5+5,4                             LNK40803
03424  0500 00 2 00000  10000  DQP1    CLA     **,2          OUTPUT OF COMPONENT
03425  0601 00 4 04127  10001          STO     OPT5+5,4                             LNK40805
03426  0500 00 2 00000  10000          CLA*    0,2                                  LNK40809
03427  4120 00 0 03433  10001          TMI     QBEF                                 LNK40810
03430  0500 00 2 00000  10000          CLA     0,2                                  LNK40811
03431  2 00001 4 03421  10001          TIX     DQPLPN,4,1
03432  0020 00 0 03437  10001          TRA     QPRNT                                LNK40813

BINARY CARD ID. NETSIM99
03433  6 00001 4 03437  10001  QBEF    TNX     QPRNT,4,1                            LNK40814
03434  0600 00 4 04122  10001          STZ     NAM5+5,4                             LNK40816
03435  0600 00 4 04127  10001          STZ     OPT5+5,4                             LNK40817
03436  0020 00 0 03433  10001          TRA     QBEF                                 LNK40818
03437  000000000000     00010  QPRNT   CALL    BTOF(OPT5,=1,OPT5)'2488'             LNK40819
03437  0074 00 4 04000  10011
03440  1 00003 0 00405  10011
03441  0 04303 0 04670  10100
03442  0 00000 0 04122  10001
03443  0 00000 0 04271  10001
03444  0 00000 0 04122  10001
03445  000000000000     00010          CALL    BTOF(OPT5+1,=1,OPT5+1)'2488'         LNK40820
03445  0074 00 4 04000  10011
03446  1 00003 0 00405  10011
03447  0 04303 0 04670  10100
03450  0 00000 0 04123  10001
03451  0 00000 0 04271  10001
03452  0 00000 0 04123  10001
03453  000000000000     00010          CALL    BTOF(OPT5+2,=1,OPT5+2)'2488'         LNK40821

BINARY CARD ID. NETSIM00
03453  0074 00 4 04000  10011
03454  1 00003 0 00405  10011
03455  0 04303 0 04670  10100
03456  0 00000 0 04124  10001
03457  0 00000 0 04271  10001
03460  0 00000 0 04124  10001
03461  000000000000     00010          CALL    BTOF(OPT5+3,=1,OPT5+3)'2488'         LNK40822
03461  0074 00 4 04000  10011
03462  1 00003 0 00405  10011
03463  0 04303 0 04670  10100
03464  0 00000 0 04125  10001
03465  0 00000 0 04271  10001
03466  0 00000 0 04125  10001
03467  000000000000     00010          CALL    BTOF(OPT5+4,=1,OPT5+4)'2488'         LNK40823
03467  0074 00 4 04000  10011
03470  1 00003 0 00405  10011
03471  0 04303 0 04670  10100
03472  0 00000 0 04126  10001
03473  0 00000 0 04271  10001
```



```
BINARY CARD ID. NETSIM01
03474  0 00000 0 04126  10001
03475  000000000000     00010          CALL    .FWRD.(.UN06.,NMFMT)'2488'           LNK40824
03475  0074 00 4 11400  10011
03476  1 00002 0 00404  10011
03477  0 04303 0 04670  10100
03500  0 00000 0 15000  10011
03501  0 00000 0 03756  10001
03502  0500 00 0 04115  10001          CLA     NAM5                                 LNK40825
03503  4734 00 4 00000  10000          PDX     0,4                                  LNK40826
03504  0634 00 4 04270  10001          SXA     LLEV,4                               LNK40827
03505  4320 00 0 04243  10001          ANA     077                                  LNK40828
03506  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40829
03507  0500 00 0 04270  10001          CLA     LLEV                                 LNK40830
03510  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40831
03511  0500 00 0 04122  10001          CLA     OPT5                                 LNK40832
03512  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40833
03513  0500 00 0 04116  10001          CLA     NAM5+1                               LNK40834
03514  4734 00 4 00000  10000          PDX     0,4                                  LNK40835
03515  0634 00 4 04270  10001          SXA     LLEV,4                               LNK40836

BINARY CARD ID. NETSIM02
03516  4320 00 0 04243  10001          ANA     077                                  LNK40837
03517  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40838
03520  0500 00 0 04270  10001          CLA     LLEV                                 LNK40839
03521  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40840
03522  0500 00 0 04123  10001          CLA     OPT5+1                               LNK40841
03523  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40842
03524  0500 00 0 04117  10001          CLA     NAM5+2                               LNK40843
03525  4734 00 4 00000  10000          PDX     0,4                                  LNK40844
03526  0634 00 4 04270  10001          SXA     LLEV,4                               LNK40845
03527  4320 00 0 04243  10001          ANA     077                                  LNK40846
03530  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40847
03531  0500 00 0 04270  10001          CLA     LLEV                                 LNK40848
03532  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40849
03533  0500 00 0 04124  10001          CLA     OPT5+2                               LNK40850
03534  0074 00 4 15400  10011          TSX     .FCNV.,4                             LNK40851
03535  0500 00 0 04120  10001          CLA     NAM5+3                               LNK40852
03536  4734 00 4 00000  10000          PDX     0,4                                  LNK40853
03537  0634 00 4 04270  10001          SXA     LLEV,4                               LNK40854
03540  4320 00 0 04243  10001          ANA     077                                  LNK40855
```

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BINARY CARD ID. NETSIM03
        03541  0074 00 4 15400  10011          TSX     .FCNV.,4                                          LNK40856
        03542  0500 00 0 04270  10001          CLA     LLEV                                              LNK40857
        03543  0074 00 4 15400  10011          TSX     .FCNV.,4                                          LNK40858
        03544  0500 00 0 04125  10001          CLA     OPT5+3                                            LNK40859
        03545  0074 00 4 15400  10011          TSX     .FCNV.,4                                          LNK40860
        03546  0500 00 0 04121  10001          CLA     NAM5+4                                            LNK40861
        03547  4734 00 4 00000  10000          PDX     0,4                                               LNK40862
        03550  0634 00 4 04270  10001          SXA     LLEV,4                                            LNK40863
        03551  4320 00 0 04243  10001          ANA     077                                               LNK40864
        03552  0074 00 4 15400  10011          TSX     .FCNV.,4                                          LNK40865
        03553  0500 00 0 04270  10001          CLA     LLEV                                              LNK40866
        03554  0074 00 4 15400  10011          TSX     .FCNV.,4                                          LNK40867
        03555  0500 00 0 04126  10001          CLA     OPT5+4
```



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        03556  0074 00 4 15400  10011          TSX     .FCNV.,4                                          LNK40869
        03557  000000000000     00010          CALL    .FFIL.'2488'                                      LNK40870
        03557  0074 00 4 06400  10011
        03560  1 00000 0 00402  10011
        03561  0 04303 0 04670  10100
        03562  0500 60 2 00000  10000          CLA*    0,2                                               LNK40871

BINARY CARD ID. NETSIM04
        03563  4120 00 0 03566  10001          TMI     PR2                                               LNK40872
        03564  0500 00 2 00000  10000          CLA     0,2                                               LNK40873
        03565  0020 00 0 03420  10001          TRA     QPLP                                              LNK40874
        03566  0774 00 2 00000  10000  PR2     AXT     **,2          END OF LEVEL PRINTOUT
        03567  0774 00 1 00000  10000          AXT     **0,1                                             LNK40877
        03570  0774 00 4 00000  10000  PRTRA   AXT     **0,4                                             LNK40878
        03571  0020 00 4 00001  10000          TRA     1,4                                               LNK40879
        03572  0 00000 0 00000  10000  BIGEST  PZE     0
        03573  0 00000 0 00000  10000  SGNT    PZE     0
        03574  740130013460     10000  PSKP    BCI     1,(1H1)
        03575  746003043060     10000  BCDF    BCI     8,( 34H ENTER NEW MS INTO KEYS FOR LEVEL ,I3,///)  LNK40936
        03576  254563255160     10000
        03577  452566604462     10000
        03600  603145634660     10000
        03601  422570626026     10000
        03602  465160432565     10000
        03603  254360733103     10000
        03604  736161613460     10000
        03605  746060073060     10000  BCDA    BCI     9,(  7H LEVEL ,I3,25H NONCONVERGENT. NEW MS = ,F14.8)  LNK40937

BINARY CARD ID. NETSIM05
        03606  432565254360     10000
        03607  733103730205     10000
        03610  306045464523     10000
        03611  464565255127     10000
        03612  254563336045     10000
        03613  256660446260     10000
        03614  136073260104     10000
        03615  331034606060     10000
        03616  746003063060     10000  BCDE1   BCI     8,( 36H ENTER NEW BIAS INTO KEYS FOR LEVEL ,I3)    LNK40938
        03617  254563255160     10000
        03620  452566602231     10000
        03621  216260314563     10000
        03622  466042257062     10000
        03623  602644516043     10000
        03624  256525436073     10000
        03625  310334606060     10000
        03626  746060073060     10000  BCDB    BCI     9,(  7H LEVEL ,I3,33H OUTPUT OUT OF RANGE, NEW BIAS = ,  LNK40939
        03627  432565254360     10000
        03630  733103730303     10000

BINARY CARD ID. NETSIM06
        03631  306046646347     10000
        03632  646360466463     10000
        03633  604626605121     10000
        03634  452725736045     10000
        03635  256660223121     10000
        03636  626013607360     10000
```



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        03637  260104331064     10000          BCI     5,F14.8/5X,12H**  CONTROL=,O12 )
        03640  056773010230     10000
        03641  545460602346     10000
        03642  456351464313     10000
        03643  734601026034     10000
        03644  740303306047     10000  BBIAS   BCI     7,(33H PCENT IN AJUST GREATER THAN ONE.)
        03645  232545636031     10000
        03646  456021416462     10000
        03647  636027512521     10000
        03650  632551606330     10000
        03651  214560464525     10000
        03652  333460606060     10000
        03653  746060113060     10000  MISH1   BCI     6,(  9H SUM NO. ,I3,4H IS ,F10.5)                  LNK40941
```

```
BINARY CARD ID. NETSIM07
      03654  626444604546      10000
      03655  336073310373      10000
      03656  043060316260      10000
      03657  732601003305      10000
      03660  346060606060      10000
      03661  0 00000 0 00000   10000  KEYS   PZE     0
      03662  741067733104      10000  BIASNO BCI     5,(8X,I4,13H BIAS CHANGES //)
      03663  730103306022      10000
      03664  312162602330      10000
      03665  214527256260      10000
      03666  616134606060      10000
      03667  740430005454      10000  BCDC1  BCI     8,(4H0***,I4,4X,6HINPUT ,A6,3X,24H IDENTIFICATION
      03670  547331047304      10000
      03671  677306303145      10000
      03672  476463607321      10000
      03673  067303677302      10000
      03674  043060314524      10000
      03675  254563312631      10000
      03676  232163314645      10000

BINARY CARD ID. NETSIM08
      03677  602346515125      10000         BCI     2, CORRECT. )
      03700  236333603460      10000
      03701  740430005454      10000  BCDD1  BCI     8,(4H0***,I4,4X,6HINPUT ,A6,3X,27H IDENTIFICATION
      03702  547331047304      10000
      03703  677306303145      10000
      03704  476463607321      10000
      03705  067303677302      10000
      03706  073060312425      10000
      03707  456331263123      10000
      03710  216331464560      10000
      03711  603145234651      10000         BCI     3, INCORRECT. )
      03712  512523633360      10000
      03713  346060606060      10000
      03714  740767730574      10000  HDLIN  BCI     5,(7X,5(16H COMP.    OUTPUT,6X))
      03715  010630602346      10000
      03716  444733606060      10000
      03717  504664634764      10000
      03720  637306673434      10000
      03721  0 00000 0 00000   10000  OPSNUM PZE     0

                NETSIM                                          04/14/66                    PAGE  44
            ASSEMBLED TEXT.

BINARY CARD ID. NETSIM09
      03722  740306300045      10000  GMES   BCI     7,(36H0NO UNSATURATED G-WTS. DG TOO LARGE. )      LNK40944
      03723  466064456221      10000
      03724  636451216325      10000
      03725  246027406663      10000
      03726  623360242760      10000
      03727  634646604321      10000
      03730  512725336034      10000
      03731  740405306051      10000  RBCD   BCI     9,(45H RESTART WRITTEN, LIFT SS2 AND PRESS START TO,  LNK40945
      03732  256263215163      10000
      03733  606651316363      10000
      03734  254573604331      10000
      03735  266360626202      10000
      03736  602145246047      10000
      03737  512562626062      10000
      03740  632151636063      10000
      03741  467360606060      10000
      03742  010030602346      10000         BCI     3,10H CONTINUE. )                                 LNK40946
      03743  456331456425      10000
      03744  336034606060      10000

BINARY CARD ID. NETSIM10
      03745  741067730630      10000  PBCD1  BCI     9,(8X,6H LEVEL,I4,3X,6H MS = ,F14.8,3X,8H BIAS = ,F14.8/)
      03746  604325652543      10000
      03747  733104730367      10000
      03750  730630604462      10000
      03751  601360732601      10000
      03752  043310730367      10000
      03753  730030602231      10000
      03754  216260136073      10000
      03755  260104331061      10000
      03756  740567730574      10000  NMFMT  BCI     5,(5X,5(3X,I3,'H.,I2,4X,F10.7))
      03757  036773310373      10000
      03760  013033733102      10000
      03761  730467732601      10000
      03762  003307343460      10000
      03763  740101306023      10000  PBCD4  BCI     9,(11H COMPONENT   ,I3,1H.,I2,11H  G-WEIGHTS      )  LNK40950
      03764  464447464525      10000
      03765  456360606073      10000
      03766  310373013033      10000
      03767  733102730101      10000

BINARY CARD ID. NETSIM11
      03770  306060274066      10000
      03771  253427306362      10000
      03772  606060606060      10000
      03773  346060606060      10000
      03774  200000000005      00001  WORD1  BSS     5                                                 LNK40951
      04001  0 00170 0 00000   10000  L120   PZE     0,0,120                                           LNK40952
      04002  0 07640 0 00000   10000  L4M    PZE     0,0,4030                                          LNK40953
                                      * CONTANTS  FOR CALCULATION AND ADDRESSING                       LNK40954
      04003  031463146314      10000  TENTH  DEC     .1B0                                              LNK40955
      04004  0 00000 0 00000   10000  ZERO   PZE                                                       LNK40956
      04005  0 00000 0 00001   10000  ONE    PZE     1                                                 LNK40957
      04006  0 00000 0 00002   10000  TWO    PZE     2                                                 LNK40958
      04007  377777000000      10000  MASK   OCT     377777000000      UNPACK G-WEIGHT MASK
```

```
04010  0 30303 0 30303  10000  2NEXT  PZE     NEXT,0,NEXT                                   LNK40960
04011  0 00000 2 30303  10000  INEXT  PZE     NEXT,2          INITIALIZATION FOR NTAG2      LNK40961
04012  0 00000 2 30303  10000  NTAG2  PZE     NEXT,2                                        LNK40962
04013  0 00000 0 30057  10000  FPL    PZE     FPLS            USED FOR CORRECT OUTPUT       LNK40963
04014  0 00000 0 30060  10000  FMIN   PZE     FMINS           INCORRECT OUTPUT              LNK40964
                                 * LOCTIONS  FOR VARIABLE STORAGE                           LNK40965
04015  0 00000 0 00000  10000  OSUM                           SUM OF OUTPUTS FOR A LEVEL    LNK40966
04016  0 00000 0 00000  10000  TSUM                           TEMPORARY SUM                 LNK40967

BINARY CARD ID. NETSIM12                                                                     LNK40968
04017  0 00000 0 00000  10000  TRIAL                                                         LNK40969
04020  0 00000 0 00000  10000  P                             REDUCTION IN SIZE OF OUTPUT STRINGLNK40970
04021  000002000000     10000  1B18   DEC     1B16                                          LNK40971
04022  0 00000 0 00000  10000  LEVNO                         INDEX ON LEVEL FOR DG CALCULATION LNK40972
04023  0 00000 0 00000  10000  LEVCT                                                         LNK40973
04024  0 00000 0 00000  10000  COMCT                         NUMBER OF COMPONENTS PER LEVEL    LNK40974
04025  031463146314     10000  SCALE  DEC     .180                                          LNK40975
04026  0 00000 0 00000  10000  OIR                           INDEX ON OUTPUT WORD              LNK40977
04027  000400000000     10000  RSCAL  DEC     1.89                                          LNK40978
04030  0 00000 0 00000  10000  GSET                          INDEX ON 4 G-SETS                 LNK40979
04031  0 00000 0 00000  10000  STRIR                         INDEX FOR OUTPUT STRING           LNK40980
04032  0 00000 0 00000  10000  DIFF                          USED IN DG NORMALIZATION          LNK40981
04033  0 00000 0 00000  10000  QUOT                                                            LNK40982
04034  0 00000 0 00000  10000  TEMP                                                            LNK40983
04035  0 00000 0 00000  10000  CMSUM                         SUM FOR OUTPUT COMPARISON         LNK40984
04036  0 00000 0 00000  10000  OLDMS                                                           LNK40985
04037  0 00000 0 00000  10000  FACT                          STORAGE FOR (FXO)                 LNK40986
04040  0 00000 0 00000  10000  GSUM                          SUM OF G-WEIGHTS                  LNK40987
04041  0 00000 0 00000  10000  N                             NUMBER OF INPUTS                  LNK40988

BINARY CARD ID. NETSIM13                                                                     LNK40989
04042  0 00000 0 00000  10000  MEAN                          MEAN OF INPUTS                    LNK40990
04043  200000000050     00001  STRING BSS     40            STORAGE FOR OUTPUT STRING         LNK40991
04113  0 00000 0 00000  10000  OFLOC  PZE                                                     LNK40992
04114  200000000001     00001  MSHCTR BSS     1                                               LNK40993
04115  200000000005     00001  NAM5   BSS     5                                               LNK40994
04122  200000000005     00001  OPT5   BSS     5                                               LNK40995
04127  200000000001     00001  XNUMM  BSS     1                                               LNK40996
04130  200000000074     00001  FFSPC  BSS     60                                              LNK40997
04224  200000000001     00001  NULEVS BSS     1                                               LNK40998
04225  0 00000 0 00011  10000  NETTAP PZE     9                                               LNK40999
04226  0 00000 0 00001  10000  AAAA   PZE     1                                               LNK41000
04227  0 00000 0 00001  10000  AAA    PZE     1                                               LNK41001
04230  0 00000 0 00001  10000  BBB    PZE     1                                               LNK41002
04231  0 00000 0 00001  10000  XXXX   PZE     1                                               LNK41003
04232  0 00000 0 00001  10000  YYYY   PZE     1                                               LNK41004
04233  200000000001     00001  FFSWT  BSS     1                                               LNK41007
04234  000000052760     10000  NETMAX DEC     22000
04235  200000000001     00001  INDICT BSS     1
04236  200000000001     00001  MAX    BSS     1

BINARY CARD ID. NETSIM14                                                                     LNK41008
04237  200000000001     00001  NOCDS  BSS     1                                               LNK41010
04240  200000000001     00001  X1TRY  BSS     1                                               LNK41011
04241  200000000001     00001  XCENT  BSS     1                                               LNK41012
04242  606060606060     10000  BLANK  BCI     1,
```



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04243  000000777777     10000  O77    OCT     000000777777                                  LNK41013
04244  000000000001     10000  O1     DEC     1                                             LNK41014
04245  000000000005     10000  O5     DEC     5                                             LNK41015
04246  000000000005     10000  FIVE   DEC     5                                             LNK41016
04247  740574010067     10000  CGFMT  BCI     3,(5(10X,F14.8))                              LNK41017
04250  732601043310     10000
04251  343460606060     10000
04252  740307306021     10000  OFBCD  BCI     8,(37H ARITHMETICC OVERFLOW OCCURED AT LOC ,O5)
04253  513163304425     10000
04254  633123236046     10000
04255  652551264346     10000
04256  666046232364     10000
04257  512524602163     10000
04260  604346236073     10000
04261  460534606060     10000

BINARY CARD ID. NETSIM15
04262  000000000000     00010          CALL    DUMMY1                                        LNK41018
04262  0074 00 4 07000  10011
04263  1 00000 0 00402  10011
04264  0 04303 0 03302  10100
04265  000000000000     00010          CALL    DUMMY2                                        LNK41019
04265  0074 00 4 07400  10011
04266  1 00000 0 00402  10011
04267  0 04303 0 03303  10100
04270  0 00000 0 00001  10000  LLEV   PZE     1                                             LNK41020
04271  000000000001     10000          LORG
04272  000000000000     10000
04273  377777777777     10000
04274  010000000000     10000
04275  377400000000     10000
04276  377700000000     10000
04277  000000000011     10000
04300  000000000006     10000
04301  000000000002     10000
04302  200000000000     10000
```

```
                    *  STOAGE FOOR NETWORK INFORMATION                                  LNK41021
27046               NOCNT  EQU     11814
27047               INUM   EQU     11815
27050               KEY    EQU     11816
27051               DATA   EQU     11817
30047               SKIP   EQU     12327                                               LNK41027
30050               DT     EQU     SKIP+1          TIME INCREMENT FOR DG CALCULATION   LNK41028
30051               EPSLN  EQU     SKIP+2          CRITERION FOR CONVERGENCE           LNK41029
30052               HSTEP  EQU     SKIP+3          INCREMENT FOR HS                    LNK41030
30053               GSAT   EQU     SKIP+4          SATURATION POINT FOR G-WEIGHT       LNK41031
                    *          STTORAGE FOR LEVEL INFORMATION                          LNK41032
30054               LEVEL  EQU     SKIP+5                                              LNK41033
30055               HS     EQU     LEVEL+1          MULT FOR STATE INPUT               LNK41034
30056               HI     EQU     LEVEL+2          MULT FOR PRIMARY INPUT             LNK41035
30057               FPLS   EQU     LEVEL+3          FIX FOR STATE INPUTS               LNK41036
30060               FMINS  EQU     LEVEL+4          FORGET FOR STATE I/P               LNK41037
30061               FPLI   EQU     LEVEL+5          FIX FOR PRIMARY I/P                LNK41038
30062               FMINI  EQU     LEVEL+6          FORGET FOR PRIMARY I/P             LNK41039
30063               BIAS   EQU     LEVEL+7          BIAS TO SOJUST SUM OF OUTPUTS      LNK41040
30064               ESUM   EQU     LEVEL+8          EXPECTED SUM OF OUTPUTS            LNK41041
```



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30065               DELIP  EQU     LEVEL+9                                             LNK41042
30066               OVAL   EQU     LEVEL+10                                            LNK41043
                    *  STOAGE FOOR COMPONENT INFORMATION                                LNK41044
30303               NEXT   EQU     LEVEL+151                                           LNK41045
30304               SYMB   EQU     NEXT+1           SYMBOLIC NAME OF THIS CAMP         LNK41046
30305               IVAL   EQU     NEXT+2           VALUE OF COMPUTED I                LNK41047
30306               SVAL   EQU     NEXT+3           VALUE OF COMPUTED S                LNK41048
30307               CPLS   EQU     NEXT+4                                              LNK41049
30310               CMINS  EQU     NEXT+5                                              LNK41050
30311               CPLI   EQU     NEXT+6                                              LNK41051
30312               CMINI  EQU     NEXT+7                                              LNK41052
30316               XANDY  EQU     NEXT+11          NO. STATE(ADDR),PRIMARY(DEER)I/P   LNK41053
30303               LIMSI  EQU     NEXT             INPUT ADDR,SIGNED G-WEIGHT         LNK41054
30452                EDP   EQU     NEXT+103
```

```
BINARY CARD ID. NETSIM16
  04303  000000000000     10000        *LDIR
  04304  452563623144     10000
         00000  01111                  END
```



```
$CDICT NETSIM                                                    NETSIM17

BINARY CARD ID. NETSIM18
004305000000            PREFACE     START=0,LENGTH=2245,TYPE=7094,CMPLX=6
000004000006
452563623144      NETSIM DECK       LOC=0,LENGTH=2245
004305000000
452563623144      NETSIM REAL       LOC=0,LENGTH=0
000000000000
452563623144      NETSIM REAL       LOC=0,LENGTH=0
000000000000
224746314563      BPOINT VIRTUAL    SECT. 4,CALL
200000100000
452563233027      NETCHG VIRTUAL    SECT. 5,CALL
200000100000
274751636060      GPRT   VIRTUAL    SECT. 6,CALL
200000100000
256731636060      EXIT   VIRTUAL    SECT. 7,CALL
200000100000
226346266060      BTOF   VIRTUAL    SECT. 8,CALL
200000100000
234644226060      COMB   VIRTUAL    SECT. 9,CALL
200000100000
332647514533      .FPRN. VIRTUAL    SECT. 10,CALL
200000100000

BINARY CARD ID. NETSIM19
512445256360      RDNET  VIRTUAL    SECT. 11,CALL
200000100000
665163452563      WRTNET VIRTUAL    SECT. 12,CALL
200000100000
332626314333      .FFIL. VIRTUAL    SECT. 13,CALL
200000100000
246444447001      DUMMY1 VIRTUAL    SECT. 14,CALL
200000100000
246444447002      DUMMY2 VIRTUAL    SECT. 15,CALL
200000100000
332622626333      .FBST. VIRTUAL    SECT. 16,CALL
200000100000
332625266333      .FEFT. VIRTUAL    SECT. 17,CALL
200000100000
332666512233      .FWRB. VIRTUAL    SECT. 18,CALL
200000100000
332666512433      .FWRD. VIRTUAL    SECT. 19,CALL
200000100000
625051636060      SQRT   VIRTUAL    SECT. 20,CALL
200000100000
512521242323      READCC VIRTUAL    SECT. 21,CALL
200000100000
```

```
BINARY CARD ID. NETSIM20
            634723426060        IPCK   VIRTUAL     SECT. 22,CALL
            200000100000
            627062434623        SYSLOC VIRTUAL     SECT. 23
            200000000000
```



```
         CONTROL DICTIONARY

            334647254560        .OPEN  VIRTUAL     SECT. 24
            200000000000
            335125212460        .READ  VIRTUAL     SECT. 25
            200000000000
            336445000633        .UNO6. VIRTUAL     SECT. 26
            200000000000
            332623456533        .FCNV. VIRTUAL     SECT. 27
            200000000000
            332343466225        .CLOSE VIRTUAL     SECT. 28
            200000000000
            336445000333        .UNO3. VIRTUAL     SECT. 29
            200000000000
            332622436333        .FBLT. VIRTUAL     SECT. 30
            200000000000
            332666435133        .FWLR. VIRTUAL     SECT. 31
            200000000000
                 $DKEND NETSIM                                          NETSIM21

NO MESSAGES FOR THIS ASSEMBLY
```



```
         SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

  CLASS  SYMBOL   VALUE   REFERENCES

         1818     04021   2343
         2NEXT    04010   1056,1675
         A1       00612   0,40
         A2       00615   41,271,272,300
         A3       00621   0,45
         A4       00623   0,0,47
         AAAA     04226
         AAA      04227   1156,1162,1164,1174,1603,1622,1624,1634,1736,1742,1744,1754,2535,2545,2551,2556,2560,2564,
                          2565,2571,2573,2722,2723,2727,2731,2741,3337,3343,3345,3400
         ABICAD   03154   3324,3417
         ACEPT    01644   1240,1241
         ADELT    01703   1701
         ADOUTP   01216
         AJ2      01602   1273,1346,1364,1376,1415,1431,1457,1477,1515,1523,1534,1542,1550,1555
         AJ3      01617
         AJUST0   01252
         AJUST1   01274   1251
         AJUST2   01311   1247
         AJUST4   01347   1316,1317
         AJUST    01242   1237
         AXT2     00771   727,1036,1054
         AXT3     01006   740,1011
         A(2)     00605   263,273,301,426
         B2       00616   42,276
         B3       00622   0,46
         B4       00624   0,0,50
         BACK     00405   414
         BBB      04230   3347,3353,3355,3402
         BBIAS    03644   1562
         BCDA     03605   1171
         BCDB     03626   1631
         BCDC1    03667   2006
         BCDC     00645   223
         BCDD1    03[illegible]   2027
         BCDD     00[illegible]52
         BCDE1    03616
         BCDE     00664   465
         BCDF     03575
         BCONTL   01571   1242,1267,1343,1353,1407,1417,1432,1456,1636,1646
         BECOM    00727   1123
         BEGIN    00704   236,242,256,311,327,344,365,375
         BFIN     03334   3331
         BIADJ    03255   3247
         BIASCH   00604   1607,1611,3363,3370
         BIASNO   03662   3362
         BIAS     30063   716,1051,1264,1265,1272,1344,1363,1374,1414,1422,1423,1430,1453,1461,1513,1521,1540,1546,
                          1602,3307,3346
         BIGEST   03572
         BITER    01574   1354,1355,1362
         BLANK    04242
         BOF      00703
```



```
         SYMBOL REFERENCE DATA

         BOP1     03326   3313
         BOPLPN   03325   3333
         BSAT     01531   1514
         B(2)     00606   265,267,277
         C10      00206   175
         C12H     03200
         C253     00603   144
```

```
        C2        00617   43,261
        C4        00625   0,51
        CGFMT     04247
        CHGSIN    01570   1377
        CHIOXY    00452   146,147
        CINIT     00204
        CMINI     30312
        CMINS     30310
        CMP       01772   2001
        CMSUM     04035   1717,1775,1777,2702,2703,2711
        CNTR      00611   3173
        COMB1     02666   1721
        COMB2     02674   2713
        COMB31    02705   2700
        COMB3     02676   2706
        COMB4     02713   2667
        COMB5     02716   2747
        COMB6     02747   2670
        COMB7     02757   2763
        COMB8     02761   2755
        COMB9     02763   2671
        COMBIN    03005   60,76,104,1720,2632,2666
        CONCT1    01573   1464,1470,1507
        CONCT     04024   725,732,734,1255,1463,1506,3275
        CONT      02440   2575
        CPLI      30311
        CPLS      30307
        C         04237   57
        C(2)      00607   250,252,262,430
        D2        00620   44,257,303
        DATA      27051
        DB1       01575   1263,1322,1333,1340,1341,1347,1373,1410,14[illegible],1420,1424,1427,1450,1452,1476,1512,1516,1520,
                          1524,1526,1527,1535,1537,1543,1545,1552,1554
        DG0       02073   2623,2626,2661,3162
        DG1       02075   2074,2316
        DG2       02076   2045,2315,2653
        DG30      02127   2062,2121,2333,2613
        DG31      02130
        DG3.1     02150   2130,2132,2512,2513
        DG3.2     02167   2156
        DG3.5     02175   2113,2271,2331
        DG3.6     02176   2120,2301,2332,2351,2407,2471
        DG3       02131   2060,2063,2146,2165,2166,2276,2302,2311,2612,2614
        DG4       02200   2061,2263,2615
        DG5       02307   2270
        DG6       02313   2124
        DGVALU    03152   2214,2222
        DIFF1B    01600   1252,1257,1303,1313,1327,1443
        DIFF1     02265   2262,2336
```



```
        DIFF2B    01601   1243,1274,1311,1312,1357,1433
        DIFF2     02303   2264
        DIFF      04032   2347,2412,2431,2542
        DLTSQG    02533   2424
        DOSUM     01576   1302,1326
        DOUBSR    00376   253,270,323,371
        DQP1      03424   3314
        DQPLPN    03421   3431
        DT        30050   116,2204
        D(2)      00610   245,247,260,432
        EDP       30452
        ELEND     02604   2312,2330
        ELTS      01677   1716
        ENDIP     00673   501,511
        EOB2      00203   72,156,440
        EOB       00202
        EOT       00474   73,157,441
        EPSLN     30051   117,1116
        ESUM      30064   130,1231,1234
        EXNWST    03164   3156
        F1        02045   2022
        FACT      04037   2103,2212,2323
        FCHG      00162   153,154
        FFL1      00165   177
        FFL2      00166   170,171,173
        FFL3      00167   174,176
        FFL4      00200   163
        FFSPC     04130   52,166
        FFSWT     04233   53,162
FILE    FILE2        1    70,72,156,417,440,475
        FIVE      04246
        FIX       02002   2764
        FMINI     30062   127
        FMIN      04014   2044,2650
        FMINS     30060   125,4014
        FORGET    02023   1776,2761
        FOUR      00205   152,172
        FPL1      30061   126
        FPL       04013   2020,2652
        FPLS      30057   124,4013
        GMES      03722
        GNG       02576   2430,2541
        GSAT      30053   121,2234,2235,2356,2413,2436,2441,2442
        GSET      04030   2105,2123,2161,2163,2307,2337,2472,2474
        GSUM1     03155   2405,2426,2537
        GSUM      04040   2177,2252,2254,2342,2352,2377,2401,2404,2406,2462,2464,2530
        GWPC      00614   55,3172
        GWPRT     03166
        HDLIN     03714   3413
        HHOLD     01205
        HOLD      01224
        I1ST      01146   1016
        I2ND      01147   1130
        ICHANG    01064   1017,1131
        ICOMM     00442   453,455,456
        INCR      02402   2357,2360,2363
```

SYMBOL REFERENCE DATA

```
INDICT   04235   37,75,200,207,325,373,710,713,744,1003,1176,1132,1230,1604,1606,1667,1672,1722,1773,2053,
                 2055,2151,2160,2244,2257,2272,2274,2304,2370,2422,2454,2605,2607,2620,2630,3165,3176,3225,
                 3245
INEXT    04011   2056,3323
INPUT    09420   233,255,310,326,343,362,374
INUM     27047   2013,2034
IPTRA    00445   420,460
IREAD    00462   73,157,441
ISM      00575   33,133
ISUM     01020   1035
ITERO1   01500   1462
ITERO    01460   1441
ITER1    01442
ITER2    01450   1437
ITER4    01355   1245,1435
ITER     01432   3257
IVAL     30305   1053,1146,1147
..0001   00003   12,13,14
..0002   00005   4,7
..0003   00007   0
K20      00624   1615
KEYCOM   03006   103,2637,2675,2710,2721,2753,2757
KEY      27050   1765,2645,2750
KEYS     03661   31,151,1614,2046
KEYTST   02640   2635
L120     04001
L4M      04002
LARGE    01556   1331
LASLEV   02627   2625,2665
LEV1     00772   730,1037,1141,1644,3262,3335
LEVCT    04023   707,1172,1632,1662,1663,3273,3376
LEVEL    30054   167,4303,4303,4303,4303,4303,4303,4303,4303,4303,4303,4303
LEVIR    00723   705,1145,1660,1673,3321
LEVNO    04022   2114,2313,2324,2616
LINE1    30303   753,756,1020,1023
LINERR   02477   2153,2155
LINKR    02514   2503
LLEV     04270   3504,3507,3515,3520,3526,3531,3537,3542,3550,3553
LVCNTR   03153   21,2072,2624,2663
M1A      00237   232
M1       00233   240
M1TRY    00612   234
M3A      00312   306
M3B      00322   316
M3C      00326   321
M3       00310
M3(M)    00621   312,324
M3(N)    00622   317
M4A      00345   341
M4B      00360   354,367
M4C      00366   357
M4M      00623
M4N      00624
M4       00340   334
M4(M)    00623   345,372
M4(N)    00624   360
```


SYMBOL REFERENCE DATA

```
M5A      00247   304
M5B      00255   275,302
M5C      00257   246,251
M5D      00276   266
M5E      00303   244
M5F      00301   264
MASK1    01225   2216
MASK     04007   2355,2411,2440
MAX      04236
MEAN     04042   2174,2201
MESSAB   00536   524
MESSAG   00572   523,543,550,2041,2043
MESSED   00550   522,535
MESSG    00525
MESSR    00553   531
MESS     00522   274,314,347
MESSW    00562   542
MGPR     00613   56,3171
MINPS    00642   305,307,313,340,342,346
MI       30056   123,1043,3303
MISH1    03653   1751,2736
MISH2    01762   1731
MIXED1   02636   2752
MODE1    00231   211
MODE2    00243   213
MODE3    00305   215
MODE4    00330   217
MRCOMP   01122   1102
M        04020   0,1700,2654
MSHCTR   04114   1727,1732,1734,1752,2655,2714,2716,2720,2737,3157,3161
MSHEND   01763   1724,1725
MSHLP    01732   1762
MS       30055   122,714,776,1151,1155,1613,3305,3336
MSTEP    30052   120,1152
NAMS     04115   3423,3434,3502,3513,3524,3535,3546
NAMES    00602   27,66
NCYCS    00643   315,320,322,361,366,370
```

```
NELT      01712   1702,1714
NETMAX    04234   112,3212
NETSIN    00000   1546,2775,3223
NETTAP    04225   111,3211
NEWAD     01701   1715
NEWF      02652   2643,2647
NEW       01072   1061,1104,1203
NEXST1    02644   2633
NEXSTR    02632   3163
NEXT      30303   131,575,1122,1656,1703,1712,2127,2131,2134,2200,3174,4010,4010,4011,4012,4303,4303,4303,
                  4303,4303,4303,4303,4303,4303,4303
NHERT     03756   3501
NM        02337   2467
NOCDS     04237   0,164
NOCNT     27046   442,444,574
NOPP      00573   454,717,1401
NOPRI     02327   2111
NORM1     02403   2334,2470
NORM2     02410   2466
```



```
NORM3     02457   2414,2415,2420
NORM4     02466   2335
NORM5     02470   2345,2346
NORM      02334   2266,2306
N         04041   2126,2142,2144,2150,2172,2277
NTAG2     04012   2057,2101,2107,2215,2223,2241,2256,2321,2341,2354,2410,2433,2446,2451,2523,2533,2534,2610,
                  2611,2617
NTRA      02476   2265,2305
NUGNTS    02603   2353,2365,2367,2600
NULEVS    04224   17,132,2066,3271
NUMIN     00601   25,65,143
NWSTT     03156   2622
O1EQOZ    01543   1300
O1        04244
O5        04245
O77       04243   3505,3516,3527,3540,3551
OFBCD     04252   3235
OFF       01111   1110
OFLIP     30065   1055,1142,1144,1651,1654
OFLOC     04113   755,763,775,1022,1030,1042,1050,1075,1115,1117,1706,2100,2136,2205,2211,2251,2320,2376,2461,
                  2526,2546,3236
OFLOW     03231   760,765,1001,1025,1032,1046,1052,2162,2134,2140,2206,2322,2531,2547
OIR       04026
OLDF      02650   2642
OLDMS     04036   715,1612
OLD       01103   1057,1106
ONELEV    02663   2071
ONEREC    00574   452
ONE       04005   254,331,336,412,576,706,733,1610,1661,1733,2010,2031,2050,2143,2162,2473,2641,2717,3227
OP2       01204
OPEND     02001   1764
OPSNUM    03721   137,2007,2011,2030,2032,3175,3202
OPTS      04122   3425,3435,3442,3444,3450,3452,3456,3460,3464,3466,3472,3474,3511,3522,3533,3544,3555
OPUT      01054   1010,1012
OSIZE     00310
OSUM1     01572   1271,1276,1301,1442,1460,1473,1504
OSUM      04015   724,1076,1100,1235,1270,1275,1500,3255
OUTBSR    00415   376
OVAL      30066   751,1013,1647,1653,1665,2073,2115,2325,3372
PBCD1     03745   3375
PBCD4     03763
PCENTB    01577   1320,1332,1334,1645
PCENT     00625   356
PR2       03566   3263,3264,3563
PRINT     03261   1655
PRLIN     01011   745,1005
PRTRA     03570   3261
PSKP      03574
QADTO     03260   3230,3243,3256
QBEF      03433   3427,3436
QPLP      03420   3565
QPRNT     03437   3432,3433
QUOT      04033
RANGE     01567   1351
RBCD      03731   3216
READOP    00600   23,64
```



```
READ      00437
READS     00640   235,237,241
RECSKP    00151   461
RESCT     00644   335,337,350,363
RESET     01416   1405
REVER1    01262   720,1402
REVER2    01361   721,1403
REVSIN    01177   1306,1307,1446,1447,1530
REVS      01524   1510,1511
RSCAL     04027
LCTR      BLCTR
QUAL      UNQS
LCTR
```

```
SAT       01202   1071
SAV2      03224   3201
SAVEN     00714   1664
SAVFOR    02574   2552
SCALE     04025
SCHED     00207   201,2051,3177,3226
SET2      01341   1323,1372
SETOZE    02445   2435,2437,2550
SETSW     03227   1077,1710,2253,2400,2463
SGWT      03573   2364,2373
SHFOTP    01207
SHT       01206
SKIP      30047   110,135,140,141,142,204,411,413,446,450,3204,3210,4303,4303,4303,4303,4303
SMALC2    01373   1367
SMALCH    01365   1336
SMALL     01717   1713
SMINUS    02513   2310
SNEXT     30303   134
SPLUS     02512   2164,2275
SOGWT     02522   2246,2372,2456
SSUM      00753   770
STABL     01226   1136
STRING    04043   1677,1707,1711,1735,1767,1770,1772,2701
STRINO    02662   2055,2634,2644,2656,2660
STRIR     04031
SVAL      30306   1002,1062
SYMB      30304
TCYCL     00627   425
TEMP      04034   1233,1236
TENTH     04003   1232
THREE     00577
TOBIG1    01535   1345,1375,1541
TOBIG2    01551   1547
TOBIG     01516   1504,1505
TOMANY    02765   2704
TOM       02776   2771
TOTAL     00641   330,332,352,364
TRIAL     04017   722,1101,1124,1140
TRI       01135   1125
TRYS      00031   1133
TSUM      04016   744,764,766,773,1015,1031,1033,1040,2125,2137,2161,2167,2300
TWO       04006   447
ULTIM     01665   1657
```


SYMBOL REFERENCE DATA

```
UNS1      01151   1150
UNS2      01155
UNSAT     02354   2403
UNSTA     01150   1137
WDONF     00576   457
WORD1     03774
WRES      03201   521
X1TRY     04240
XANDY     30316   735
XCENT     04241
XNUMM     04127
XXXX      04231   743,3277
Y         04020   54
YYYY      04232   737,3301
ZERO      04004   351,1105,2421
ZITER     0 722   1201,1616,1643
ZZZ       00417   410
REFERENCES TO VIRTUAL SYMBOLS.

BPOINT      4   2566
BTOF        8   1157,1617,1737,2553,2724,3340,3350,3437,3445,3453,3461,3467
COMB        9   100
DUMMY1     14   4262
DUMMY2     15   4265
EXIT        7   2507
GPRT        6   3166
.CLOSE     28   474
.FBLT.     30   3272,3274,3276,3300,3302,3304,3306,3310,3327
.FBST.     16   405
.FCNV.     27   427,431,433,544,1173,1175,1633,1635,1637,1753,1755,2012,2014,2033,2035,2740,2742,3237,3364,
                3377,3401,3403,3506,3510,3512,3517,3521,3523,3530,3532,3534,3541,3543,3545,3552,3554,3556
.FEFT.     17   515
.FFIL.     13   224,434,466,502,512,532,545,1176,1563,1640,1756,2015,2036,2504,2743,2772,3217,3240,3365,
                3404,3414,3557
.FPRN.     10   220,462,476,3213
.FWLR.     31   3311,3334
.FWRR.     18   3265,3313
.FWRO.     19   421,505,525,536,1165,1556,1625,1745,2002,2023,2477,2732,2765,3231,3356,3371,3407,3475
.OPEN      24   67
.READ      25   71,155,437
.UNO3.     29   520,3270,3320
.UNO6.     26   424,510,530,541,1170,1561,1630,1750,2005,2026,2502,2735,2770,3234,3361,3374,3412,3500
NETCHG      5   113
RDNET      11   105
READCC     21   34
SQRT       20   2561
SYSLOC     23   10
TPCK       22   61
WRTNET     12   3205
```

```
$IBFTC GPRT1   M94/2,XR7
```



```
      SUBROUTINE GPRT(MGPR,GWPC,CNTR,NEXT,OPSNUM)
      DIMENSION IGWT(5),NEXT(1)
      INTEGER GWPC,CNTR,COMNUM,OPSNUM
      GO TO (10,20,30,30),MGPR
   10 IF(GWPC.EQ.0)GO TO 7
   30 CNTR=CNTR+1
      IF(CNTR.NE.GWPC)GO TO 7
   20 I=1
      WRITE(6,5000)OPSNUM
    2 ISYMB=NEXT(I+1)                                          12
      COMNUM=ISYMB/262144
      LEVN=ISYMB-262144*COMNUM
      WRITE(6,1000)LEVN,COMNUM
      IXANDY=NEXT(I+11)                                        17
      IX=IXANDY/262144
      IY=IXANDY-262144*IX
      NLINES=IX+IY+I-1
      J=0
    4 DO 11 L=I,NLINES
      J=J+1
      LINE=NEXT(L+12)
      IGWT(J)=LINE/262144
      IGWT(J)=262144*IGWT(J)
      CALL BTOF(IGWT(J),1,IGWT(J))
      IF(L.EQ.NLINES)J=5                                       33
      IF(J.NE.5)GOTO 11
    5 WRITE(6,1001)IGWT
      DO 13 K=1,5                                              42
   13 IGWT(K)=0
      J=0
   11 CONTINUE
      I=NLINES+13
      CNTR=0
      IF(NEXT(I).EQ.0)GO TO 1
      GO TO 2
    1 IF(MGPR.EQ.1)GWPC=0
      IF(MGPR.EQ.4)MGPR=2
    7 RETURN
 1000 FORMAT(1H0,7X,11H COMPONENT    ,I3,1H.,I2,11H  G-WEIGHTS//1
 1001 FORMAT(5(10X,F14.8))
 5000 FORMAT(1H1,36H NEW G-WEIGHTS FROM RESULT OF INPUT ,I4,///)
      END
```



```
$IBFTC RDNET1  M94/2,XR7
```



```
      SUBROUTINE RDNET(SKIP,NETTAP,NETMAX)
      DATA ENDNET/6HENDNET/                                    LNK41057
C                                                              LNK41058
C                                                              LNK41059
      DIMENSION SKIP(NETMAX)                                   LNK41060
    1 J=1                                                      LNK41062
      K=200                                                    LNK41063
   10 READ(NETTAP) (SKIP(I),I=J,K)                             LNK41064
      IF(SKIP(J).EQ.ENDNET) GO TO 50                           LNK41065    3
      J=J+200                                                  LNK41066
      K=K+200                                                  LNK41067
      IF(K.GT.NETMAX) GO TO 20                                 LNK41068
      GO TO 10                                                 LNK41069
   20 PRINT 40                                                 LNK41070
      PAUSE                                                    LNK41071   20
      GO TO 1                                                  LNK41072
   40 FORMAT(45H *** NETWORK EXCEEDS SIZE OF NETWORK STORAGE.  )  LNK41073
   50 REWIND NETTAP                                            LNK41074
      RETURN                                                   22
      END
                                                               LNK41076
```



```
$IBFTC WRTNE1  M94/2,XR7
```

```
      SUBROUTINE WRTNET(SKIP,NETTAP,NETMAX)                          LNK41078
      DATA ENDNET/6HENDNET/                                          LNK41079
      DIMENSION SKIP(NETMAX)                                         LNK41080
      NETTAP=12
    1 REWIND NETTAP                                                  LNK41083    2
      J=1                                                            LNK41084
      K=200                                                          LNK41085
   10 WRITE(NETTAP) (SKIP(I),I=J,K)                                  LNK41086    4
      IF(SKIP(J).EQ.ENDNET) GO TO 50                                 LNK41087
      J=J+200                                                        LNK41088
      K=K+200                                                        LNK41089
      IF(K.GT. NETMAX) GO TO 20                                      LNK41090
      GO TO 10                                                       LNK41091
   20 PRINT 40                                                       LNK41092    21
      PAUSE                                                          LNK41093
      END FILE NETTAP                                                LNK41094    22
   50 RETURN
   40 FORMAT(27H ***NETWORK END NOT PRESENT    )                      LNK41096
      END                                                            LNK41097
```



```
$IBFTC TPCK1   M94/2,XR7
```



```
      SUBROUTINE TPCK(READOP,NUMIN,NAMES)
      INTEGER READOP
      READ(4)IRDOP,NNUMIN,NNAMES                                     1
      IF(IRDOP.NE.READOP.OR.NNUMIN.NE.NUMIN.OR.NNAMES.NE.NAMES)GOTO1
      WRITE(6,1000)READOP,NUMIN,NAMES                                7
      RETURN
    1 WRITE(6,1001)IRDOP,READOP,NNUMIN,NUMIN,NNAMES,NAMES            8
      STOP
 1001 FORMAT(41H TAPE DOES NOT AGREE WITH CONTROL VALUES.//
     17X,6HIRDOP=,I4,3X,7HREADOP=,I4/6X,7HNNUMIN=,I4,3X,6HNUMIN=,I4/
     26X,7HNNAMES=,I4,3X,6HNAMES=,I4)
 1000 FORMAT(7X,7HREADOP=,I4,/7X,6HNUMIN,I4/7X,6HNNAMES=,I4)
      END
```



```
      SUBROUTINE READCC(INDICT,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
     1FFSWT,Y,GWPC,MGPR,C,COMBIN)
      DIMENSION FFSPC(60)                                            LNK41100
      INTEGER A1,A2,B2,C2,D2,A3,B3,A4,B4,GWPC,CNTR,Y,C
      INTEGER FFSWT,COMBIN                                           LNK41101
      REAL    M3N,M3M                                                LNK41102
      DATA MORS,N/4H SUM,3HINP/
      INDICT=0                                                       LNK41104
C                                                                    LNK41105
C     .....READ CONTROL CARDS                                        LNK41106
C                                                                    LNK41107
      WRITE(6,5001)                                                  2
      READ(5,7000)IN,IX,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,MS,Y,C,GWPC,MGPR
     1,ISQGWT,COMBIN                                                 3
      IF(IN.NE.N)GO TO 7
C                                                                    LNK41113
      IF(ISQGWT.NE.0)INDICT=INDICT+512
      CALL BPOINT(C4,0)                                              27
      IF(IX.GT.4.OR.IX.LT.1) GO TO 30                                LNK41115
      IF(IX-2) 30,40,10                                              LNK41116
   10 IF(IX-3) 20,20,50                                              LNK41117
   20 INDICT=INDICT+16                                               LNK41118
      GO TO 60                                                       LNK41119
   30 INDICT=INDICT+4                                                LNK41120
      GO TO 60                                                       LNK41121
   40 INDICT=INDICT+8                                                LNK41122
      GO TO 60                                                       LNK41123
   50 INDICT=INDICT+32                                               LNK41124
   60 IF(MORS.EQ.MS) INDICT=INDICT+256                               LNK41127
      FFSWT=0                                                        LNK41128
      IF(C.EQ.0)GO TO 80
      NNOCDS=4*C
      READ(5,7100)(FFSPC(K),K=1,NNOCDS)                              49
      DO 70 I=1, NNOCDS                                              LNK41132
   70 CALL BPOINT(FFSPC(I),0)                                        LNK41133    61
      FFSWT=1                                                        LNK41134
   80 WRITE(6,444)INDICT,IX,MS,Y,C,GWPC,MGPR,A1,A2,B2,C2,D2,A3,B3,A4,
     1B4,C4                                                          65
      RETURN                                                         LNK41137
```

```
C                                                                       LNK41138
C                                                                       LNK41139
   90 WRITE(5,1001)                                                          66
      STOP
    7 WRITE(6,333)                                                           67
      STOP
  444 FORMAT(1X,7HINDICT=,O12/12H INPUT MODE=,3HINP,I1/11H TEST MODE=,
     1A4/28H CONSECUTIVE OUTPUTS/STRING=,I3,/18H G-WT PRINT COUNT=,I3/
     217H G-WT PRINT MODE=,I1/4H A1=,I1/4H A2=,I3,2X,3HB2=,I3,3HC2=,I3,
     32X,3HD2=,I3/4H A3=,I3,2X,3HB3=,I3/4H A4=,I3,2X,3HB4=,I3,2X,3HC4=,
     4F9.6)
  333 FORMAT(33H READCC CONTROL CARD NO PRESENT./1H1)
 5001 FORMAT(20H1READY CONTROL CARD              )                       LNK41108
 7100 FORMAT(4F9.5)                                                      LNK41143
 7090 FORMAT(A3,I1,9I3,F6.6,A4,3I3,2I1,I3)
 1001 FORMAT(47H1*****IMPROPER INPUT MODE, CORRECT AND RESTART.)         LNK41144


                                                                        03/01/66                    PAGE  61
          READCC      -  EFN   SOURCE STATEMENT  -  IFN(S)  -

      END                                                               LNK41145


                                                                        03/01/66                    PAGE  62


$IBFTC COMBR


                                                                        03/01/66                    PAGE  63
          COMBR       -  EFN   SOURCE STATEMENT  -  IFN(S)  -

      SUBROUTINE COMB(KEYCOM,COMBIN)
      INTEGER COMBIN
      DIMENSION KEYCOM(1),J(18)
      DATA KAY/1HK/
      DO 1 M=1,COMBIN
    1 KEYCOM(M)=0
      DO 3 I=1,COMBIN
      READ(5,1000)IK,(J(N),N=1,18)                                          11
      IF(IK.NE.KAY)GO TO 7
      DO 2 M=1,18
    2 KEYCOM(I)=2*KEYCOM(I)+J(M)
      KEYCOM(I)=KEYCOM(I)*262144
    3 WRITE(6,1001)I,KEYCOM(I),(J(N),N=1,18)                                29
      RETURN
    7 STOP
 1000 FORMAT(A1,9X,18I1)
 1001 FORMAT(13HOKEYCOM MASK ,I2,1X,1H=,1X,O12,1X,77HOCT ,THEREFORE,COUN
     1TING FROM LEFT TO RIGHT,THE BIT POSITION INDICATES WHETHER/16X,1H(
     2,18I1,
     2     1H),4X,70HTHE RESPECTIVE STRING OUTPUT WILL (1) OR WILL NOT (
     30) BE ADDED TO THIS/40X,24HKEYCOM STRING SUMMATION.)
      END


                                                                        01/28/66                    PAGE  214
          NETCH       -  EFN   SOURCE STATEMENT  -  IFN(S)  -

      SUBROUTINE NETCHG(DT,EPSLN,MSTEP,GSAT,MS,MI,FPLS,FMINS,FPLI,FMINI,
     1ESUM,NEXT,NULEV,ISM,SNEXT)
      DIMENSION NEXT(1),MS(1),MI(1),FPLS(1),FMINS(1),FPLI(1),FMINI(1),
     1ESUM(1),SNEXT(1)
      LOGICAL G
      GOTO(10,10,20,20,30,40),ISM
   10 READ(5,1001)DDT,EEPSLN,MMSTEP,GGSAT                                   3
      CALL BTOF(DT,0,WDT)                                                   5
      CALL BTOF(EPSLN,1,WEPSLN)                                             7
      CALL BTOF(MSTEP,5,WMSTEP)                                             9
      CALL BTOF(GSAT,1,WGSAT)                                              11
      WRITE(6,1002)DDT,WDT,EEPSLN,WEPSLN,MMSTEP,WMSTEP,GGSAT,WGSAT         12
      CALL BPOINT(DDT,0)                                                   13
      CALL BPOINT(EEPSLN,1)                                                15
      CALL BPOINT(MMSTEP,5)                                                17
      CALL BPOINT(GGSAT,1)                                                 19
      IF(DDT.EQ.DT.AND.EEPSLN.EQ.EPSLN.AND.MMSTEP.EQ.MSTEP.AND.GGSAT
     1.EQ.GSAT)GOTO 12
C     ** STORE NEW NETWORK PARAMETERS.
      DT=DDT
      EPSLN=EEPSLN
      MSTEP=MMSTEP
      GSAT=GGSAT
C     ** INITIALIZE FOR COMPONENT ADDRESSES -- 1ST COMPONENT.
C
C     NEXT(L) IS THE FIRST WORD OF EACH COMPONENT AND THE VALUE
C       OF NEXT(L) IS THE ADDRESS OF THE NEXT COMPONENT,ETC.
      J=0
      L=1
      M=-NEXT(L)-12483
      GOTO(20,40,30),ISM
   12 WRITE(6,1003)
      STOP
   20 K=0
```

```
      DO 39 I=1,NULEV
C     ** READ LEVEL CARD FOR NEW LEVEL PARAMETERS. ONE CARD PER LEVEL.
C        LEVEL ARRAY IS TEN VARIABLES PER LEVEL AND UP TO 15 LEVELS.
      READ(5,1004)LEVI,MMS,MMI,FFPLS,FFMINS,FFPLI,FFMINI,EESUM                34
      WRITE(6,1005)LEVI,MMS,MMI,FFPLS,FFMINS,FFPLI,FFMINI,EESUM               38
      CALL BPOINT(MMS,5)                                                      39
      CALL BPOINT(MMI,5)                                                      41
      CALL BPOINT(FFPLS,0)                                                    43
      CALL BPOINT(FFMINS,0)                                                   45
      CALL BPOINT(FFPLI,0)                                                    47
      CALL BPOINT(FFMINI,0)                                                   49
      CALL BPOINT(EESUM,6)                                                    51
      MS(K+1)=MMS
      MI(K+1)=MMI
      FPLS(K+1)=FFPLS
      FMINS(K+1)=FFMINS
      FPLI(K+1)=FFPLI
      FMINI(K+1)=FFMINI
      ESUM(K+1)=EESUM
C     **   CHANGE LEVEL VALUES. GO TO END OF THE DO LOOP.
      IF(ISM.EQ.5)GO TO 39
```



```
C     ** READ LEVEL COMPONENT CARD FOR COMPUTING C-BALUE.
   30 READ(5,1006)ISX,ISI,IPX,IPI,GSX,GSI,GPX,GPI                             63
      SX=ISX
      CSX=SX+GSX
      SI=ISI
      CSI=SI+GSI
      PX=IPX
      CPX=PX+GPX
      PI=IPI
      CPI=PI+GPI
      CALL BTOF(GSAT,GGSAT)                                                   68
      IF((SX+GGSAT).GE.CSX.AND.(SI+GGSAT).GE.CSI.AND.(PX+GGSAT).GE.CPX
     1.AND.(PI+GGSAT).GE.CPI)GO TO 31
      WRITE(6,1007)                                                           72
      STOP
   31 CALL BPOINT(CSX,6)                                                      74
      CALL BPOINT(CSI,6)                                                      76
      CALL BPOINT(CPX,6)                                                      78
      CALL BPOINT(CPI,6)
C     **  TEST FOR CHANGE IN C-VALUES. NO CHANGE IS A LOGICAL TRUTH.          80
      G=.FALSE.
      IF(CSX.EQ.SNEXT(L+4).AND.CSI.EQ.SNEXT(L+5).AND.CPX.EQ.SNEXT(L+6)
     1.AND.CPI.EQ.SNEXT(L+7)) G=.TRUE.
C     **  COMPARE MODE TO LOGICAL C-VALUE RESULT. FALSE IS ERROR IN
C        C-VALUE OR MODE.
      IF((ISM.EQ.3).AND.G.OR.(ISM.NE.3).AND..NOT.G)GOTO 41
C     **  STORE NEW C-VALUES IN EACH COMPONENT OF THIS LEVEL.
   32 SNEXT(L+4)=CSX
      SNEXT(L+5)=CSI
      SNEXT(L+6)=CPX
      SNEXT(L+7)=CPI
   33 L=L+M
      IF(NEXT(L).LE.0)GO TO 34
C     **   A MINUS INDICATES A NEW LEVEL.
      IF(ISM.NE.3)GO TO 32
C     **  MODES OTHER THAN 3 REQUIRE STORING OF NEW C-VALUES IN EACH
C        COMPONENT OF THIS LEVEL. MODE 3 ONLY TESTED G-WEIGHT CONSISTENCY
C        BECAUSE OF CHANGE IN  GSAT.
      GO TO 33
C     ** DETERMINE NEW INDEX INCREMENT FOR DISTANCE BETWEEN COMPONENTS
C       ON THE NEW LEVEL.
   34 M=L-M
      M=-NEXT(L)-NEXT(M)
      IF(ISM.EQ.1.OR.ISM.EQ.4)GO TO 39
      J=J+1
      IF(J.EQ.NULEV)GO TO 40
C     **  READ THE NEXT COMPONENT CARD. LEVEL CARDS ARE NOT REQUIRED.
      GO TO 30
C     **   READ THE NEXT LEVEL CARD.
   39 K=K+10
   40 RETURN
   41 WRITE(6,1008)                                                           125
      STOP
 1001 FORMAT(F9.9,F9.9,F9.6,F9.7)
 1003 FORMAT(81H THE NETWORK PARAMETERS WERE NOT CHANGED. CHECK RESTART
     1MODE OR RESTART(A) CARD. )
```



```
 1002 FORMAT(2H1,46X,29H CHANGE IN NETWORK PARAMETERS/1H0,51X,3HNEW,11X,
     13HOLD/1H0,40X,2HDT,10X,F9.9,4X,F9.9/40X,5HEPSLN,7X,F9.9,5X,F9.9/
     240X,5HMSTEP,4X,F9.6,5X,F9.6/40X,4HGSAT,6X,F9.7,5X,F9.7)
 1004 FORMAT(A6,2F9.7,4F9.9,F9.5)
 1005 FORMAT(4X,A6/1X,4HMMS=,F9.7,2X,4HMMI=,F9.7,2X,6HFFPLS=,F9.9, 7HFFM
     1INS=,F9.9,2X,6HFFPLI=,F9.9,2X,7HFFMINI=,F9.9,2X,6HEESUM=,F9.5/1H0)
 1006 FORMAT(4I3,4F4.3)
 1007 FORMAT(84H GWEIGHTS ARE INCONSISTENT FOR RESTART. CHECK RESTART(C)
     1 CARDS OR (A) CARD FOR GSAT.)
 1008 FORMAT(49H INCORRECT RESTART MODE OR BAD RESTART(C) CARDS. )
      END
```

STORAGE MAP

SUBROUTINE NETCHG
UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
G	00001	L	DDT	000C2	R	EEPSLN	00003	R
HMSTEP	00004	I	GGSAT	00005	R	WDT	00006	R
WEPSLN	00007	R	WMSTEP	00010	R	WGSAT	00011	R
J	00012	I	L	00013	I	M	00014	I
K	00015	I	I	00016	I	LEVI	00017	I
MMS	00020	I	MMI	00021	I	FFPLS	00022	R
FFMINS	00023	R	FFPLI	00024	R	FFMINI	00025	R
EESUP	00026	R	ISX	00027	I	ISI	00030	I
IPX	00031	I	IPI	00032	I	GSX	00033	R
GSI	00034	R	GPX	00035	R	GPI	00036	R
SX	00037	R	CSX	00040	R	SI	00041	R
CSI	00042	R	PX	00043	R	CPX	00044	R
PI	00045	R	CPI	00046	R			

ENTRY POINTS

NETCHG	SECTION	2

SUBROUTINES CALLED

.FROD.	SECTION	3	BIOF	SECTION	4	.FWRD.	SECTION	5
BPOINT	SECTION	6	.EXIT.	SECTION	7	.FXEP.	SECTION	8
.UNO5.	SECTION	9	.FRTN.	SECTION	10	.FCNV.	SECTION	11
.UNO6.	SECTION	12	.FFIL.	SECTION	13	E.1	SECTION	14
E.2	SECTION	15	E.3	SECTION	16	E.4	SECTION	17
CC.1	SECTION	18	CC.2	SECTION	19	CC.3	SECTION	20
CC.4	SECTION	21	SYSLOC	SECTION	22			

CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
10	3A	00246	20	30A	00444	30	63A	00641
40	124A	01177	1001	FORMAT	00065	1002	FORMAT	00110
12	29A	00432	1003	FORMAT	00071	39	120A	01172
1004	FORMAT	00147	1005	FORMAT	00153	1006	FORMAT	00200
31	73A	01007	1007	FORMAT	00202	41	125A	01200
32	92A	01076	33	97A	01117	34	107A	01137
1008	FORMAT	00221						

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01345.


```
$ENTRY        MAIN

LOADING HAS BEEN SUPPRESSED.

        6701 LINES OUTPUT.
$IBSYS
 RETURNING TO IBSYS.
```

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13 ABSTRACT

Because of the large number of network combinations and parameter variations possible in a Steele neuromime network, a program for simulating the nets on a digital computer is being developed to aid in determining the most efficient nets for specific tasks. The results of the investigation of network and parameter variations may then be used as the restraints and design criteria for neuromime devices with specific signal recognition capabilities. The simulation provides as a tool, a means of generating randomly connected networks with desired statistical restraints and a training phase which alters the network in such a manner as to force the actual response closer to the desired response. The generalized nature of the nets used is the essence of the research effort. Appendix II contains the neuromime simulator output.

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Security Classification

Security Classification

14 KEY WORDS	LINK A ROLE	LINK A WT	LINK B ROLE	LINK B WT	LINK C ROLE	LINK C WT
Bionics						
Automata						
Computers						
Neuromime networks						
Simulation						
FORTRAN						
IBM 7094						

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