SMFI- 2

I- Box 2 Program

JB AX2

April 5, 1961

1. Programs becoming obsolete: None

2. Used to provide a test of the Central Processor I-Box.

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1. PURPOSE

The I-Box 2 Program provides the maintenance engineer with a test of the following I-Box instruction categories:

1) Store Zero in Index Internal and External Memory.

2) Compare Value and Compare Count in Internal, External and Index Memories.

3) Proper Index Selection.

2. PROGRAM INTRODUCTION

2.1. This program has been designed for use after the I-Box 1 program has been run successfully.

2.2. The program operates under the control of the Sense Switch Interrogation Program (SSIP).

3. OPERATING PROCEDURES

3.1. The Sense Switch Interrogation Program must be in the machine.

3.2. Loading Procedures (PUNFUL Cards).

3.2.1. At the Maintenance Console:

1) Depress Master Reset

2) Depress Start Clock

3) Depress IPL

4) Disable Interrupt and Time Clock

5) Enable Maintenance Mode

3.2.2. Place binary deck in card reader

3.2.3. Depress Start on card reader, the program will start itself.

3.3. Error Indications

The program operates under Sense Switch Interrogation Program (SSIP) control, all error indication options of the SSIP Program apply to this program. Refer to the SSIP Program writeup.

3.4. Success Indications

All success indication options of the SSIP Program apply to this program. Refer to the SSIP Program writeup.

3.5. Operation Options

Refer to the SSIP Program writeup for all operation options.

4. PROGRAM PHILOSOPHY

This program is designed to test the I-Box instructions and associated hardware. The entire program is under control of SSIP. Below are listed all of the routines that are part of this program, and a brief description of what each tests:

1200 Basic test of LX control and basic data, value and count fields only. Tests BXCZ and BXVZ.

1202 More comprehensive test of LX data from external (main) memory. Also tests KVI, KC, BXE, BXL, and BXH. Data includes only value and count fields.

1204 Continuation of 1202 with the addition of KCI.

1206 Checks Z to all three memories.

1208 Checks J field index selection for validity and uniqueness.

1210 Checks LX from internal registers and index core storage, value and count fields only.

1212 Checks KV and KC using internal registers and index core storage as operands.

1214 Checks LX and SR, refill field only, for all memory combinations. (Internal, External, and Index Memories).

1216 Checks SX, all bits but 24-27, to all three memories. (Internal, External, and Index Memories.)

1218 Checks LX and SX, bits 24-27, from and to all three memories. (Internal, External, and Index Memories.)

7030 DPS

PROGRAM WRITEUP ADDENDUM

Program: I-Box -2A

File No. JB AX2A

MAINTENANCE TAPE CONTROL CARD

Location/s of Exit Branches

1. 1 7 3 0 0 0
2.
3.
4.
5.
6.

Pre-Loading Manual Intervention Required ? Yes ____ No x

Pre-Loading Procedure (If Any)

SLC,64.0 000100.00

PUNID,SMFI-2A JA AX 2A SMFI-2A

END,64.0 100.00 000100.00

PRNTD;SUENRAM SMFT-2A

```
                SLC,%8□6477.0                                                                   006477.00

                PUNFUL
                PRNS
                SEM,6,C,G
                        -START SMFT-2A, MAKE DUMMY PASS TO
                        -SSIP FOR HOUSEKEEPING PURPOSES.
                XW,%8□6500.0,BIT63+1.00-START,0,2        6500.00 20 216540.00 00    006477.00
START           B,$+1.0                                  6501.10 00                 006500.00
                BD,$+1.32                                6502.04 00                 006500.40
                SIC,SENO+.32                             1311.40 80                 006501.00
                B,SSW                                    1301.10 00                 006501.40
                        ----1200---LOAD INDEX CNTRL CHECK,EXT MEM.
                -
1000            LX,$X1,1001D        -UPDATE IDENT        6505.02 10                 006502.00
                SX,$X1,DPET13                            1437.03 10                 006502.40
                SIC,RET                                  1306.40 00                 006503.00
                B,IDF1                                   1443.10 00                 006503.40
                Z,IC200                                  6705.22 00                 006504.00
                BD,1001                                  6506.04 00                 006504.40
                CNOP
1001D           %IQSZ□DD%BU,64,8□,1200    Z                                        006505.00

1001            LX,$X0,100Z         -LOAD WITH ZERO.     17306.00 10                006506.00
                BXCZ,1002                                6510.70 42                 006506.40
                BXVZ,1002                                6510.71 42                 006507.00
                SIC,SEN                                  1310.00 80                 006507.40
                B,SERS              -BOTH COUNT AND VALUE NOT ZERO.  1304.10 00     006510.00
                -
1002            LX,$X0,1000         -LOAD WITH ONES.     17307.00 10                006510.40
                BXCZ,1003                                6512.30 42                 006511.00
                B,1005                                   6514.10 00                 006511.40
1003            BXVZ,1004                                6513.31 42                 006512.00
                B,1005                                   6514.10 00                 006512.40
1004            SIC,SEN                                  1310.00 80                 006513.00
                B,SERS              -BOTH COUNT AND VALUE ZERO.  1304.10 00         006513.40
                -
1005            LX,$X0,100Z         -LOAD WITH ZERO.     17306.00 10                006514.00
                BXCZ,1006                                6516.70 42                 006514.40
                BXVZ,1006                                6516.71 42                 006515.00
                SIC,SEN                                  1310.00 80                 006515.40
                B,SERS              -BOTH COUNT AND VALUE NOT ZERO.  1304.10 00     006516.00
                -
1006            LX,$X0,100VO        -VALUE ALL ONES.     17310.00 10                006516.40
                SIC,SEN                                  1310.00 80                 006517.00
                BXVZ,SERS           -NO BITS IN VALUE FIELD.  1304.31 42            006517.40
                -
                LX,$X0,100CO        -COUNT ALL ONES.     17311.00 10                006520.00
                SIC,SEN                                  1310.00 80                 006520.40
                BXCZ,SERS           -NO BITS IN COUNT FIELD.  1304.30 42            006521.00
                -
                SIC,10010           -GO CHK IX 0 IS 0.   6526.00 80                 006521.40
                B,1007                                   6523.10 00                 006522.00
                B,10011                                  6526.50 00                 006522.40
                -
1007            LX,$X0,100Z         -SUBROUTINE TO LOAD INDEX  17306.00 10          006523.00
                BXCZ,1008           -REG 0 TO 0 AND CHK FOR  6524.70 42             006523.40
                B,1009              -SAME.               6525.10 00                 006524.00
1008            BXVZ,10010                               6526.31 42                 006524.40
1009            SIC,SEN                                  1310.00 80                 006525.00
                B,SERS              -COUNT OR VALUE NOT ZERO.  1304.10 00           006525.40
10010           $B,0                                     0.10 00                    006526.00
```

```
 10011  LX,$X0,BIT0      -START CHECK OF EACH BIT IN VALUE.   17326.00 10   006526.40
        SIC,SEN                                               1310.00 80   006527.00
        BXVZ,SERS        -NO BIT 0.                           1304.31 42   006527.40
        -
        SIC,10010        -CLR IX 0.                           6526.00 80   006530.00
        B,1007                                                6523.10 00   006530.40
        LX,$X0,BIT1                                          17327.00 10   006531.00
        SIC,SEN                                               1310.00 80   006531.40
        BXVZ,SERS        -NO BIT 1.                           1304.31 42   006532.00
        -
        SIC,10010                                             6526.00 80   006532.40
        B,1007                                                6523.10 00   006533.00
        LX,$X0,BIT2                                          17330.00 10   006533.40
        SIC,SEN                                               1310.00 80   006534.00
        BXVZ,SERS        -NO BIT 2.                           1304.31 42   006534.40
        -
        SIC,10010                                             6526.00 80   006535.00
        B,1007                                                6523.10 00   006535.40
        LX,$X0,BIT3                                          17331.00 10   006536.00
        SIC,SEN                                               1310.00 80   006536.40
        BXVZ,SERS        -NO BIT 3.                           1304.31 42   006537.00
        -
        SIC,10010                                             6526.00 80   006537.40
        B,1007                                                6523.10 00   006540.00
        LX,$X0,BIT4                                          17332.00 10   006540.40
        SIC,SEN                                               1310.00 80   006541.00
        BXVZ,SERS        -NO BIT 4.                           1304.31 42   006541.40
        -
        SIC,10010                                             6526.00 80   006542.00
        B,1007                                                6523.10 00   006542.40
        LX,$X0,BIT5                                          17333.00 10   006543.00
        SIC,SEN                                               1310.00 80   006543.40
        BXVZ,SERS        -NO BIT 5.                           1304.31 42   006544.00
        -
        SIC,10010                                             6526.00 80   006544.40
        B,1007                                                6523.10 00   006545.00
        LX,$X0,BIT6                                          17334.00 10   006545.40
        SIC,SEN                                               1310.00 80   006546.00
        BXVZ,SERS        -NO BIT 6.                           1304.31 42   006546.40
        -
        SIC,10010                                             6526.00 80   006547.00
        B,1007                                                6523.10 00   006547.40
        LX,$X0,BIT7                                          17335.00 10   006550.00
        SIC,SEN                                               1310.00 80   006550.40
        BXVZ,SERS        -NO BIT 7.                           1304.31 42   006551.00
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SIC,10010                                    6526.00 80      006551.40
B,1007                                       6523.10 00      006552.00
LX,$X0,BIT8                                 17336.00 10      006552.40
SIC,SEN                                      1310.00 80      006553.00
BXVZ,SERS          -NO BIT 8.                1304.31 42      006553.40
-
SIC,10010                                    6526.00 80      006554.00
B,1007                                       6523.10 00      006554.40
LX,$X0,BIT9                                 17337.00 10      006555.00
SIC,SEN                                      1310.00 80      006555.40
BXVZ,SERS          -NO BIT 9.                1304.31 42      006556.00
-
SIC,10010                                    6526.00 80      006556.40
B,1007                                       6523.10 00      006557.00
LX,$X0,BIT10                                17340.00 10      006557.40
SIC,SEN                                      1310.00 80      006560.00
BXVZ,SERS          -NO BIT 10.               1304.31 42      006560.40
-
SIC,10010                                    6526.00 80      006561.00
B,1007                                       6523.10 00      006561.40
LX,$X0,BIT11                                17341.00 10      006562.00
SIC,SEN                                      1310.00 80      006562.40
BXVZ,SERS          -NO BIT 11.               1304.31 42      006563.00
-
SIC,10010                                    6526.00 80      006563.40
B,1007                                       6523.10 00      006564.00
LX,$X0,BIT12                                17342.00 10      006564.40
SIC,SEN                                      1310.00 80      006565.00
BXVZ,SERS          -NO BIT 12.               1304.31 42      006565.40
-
SIC,10010                                    6526.00 80      006566.00
B,1007                                       6523.10 00      006566.40
LX,$X0,BIT13                                17343.00 10      006567.00
SIC,SEN                                      1310.00 80      006567.40
BXVZ,SERS          -NO BIT 13.               1304.31 42      006570.00
-
SIC,10010                                    6526.00 80      006570.40
B,1007                                       6523.10 00      006571.00
LX,$X0,BIT14                                17344.00 10      006571.40
SIC,SEN                                      1310.00 80      006572.00
BXVZ,SERS          -NO BIT 14.               1304.31 42      006572.40
-
SIC,10010                                    6526.00 80      006573.00
B,1007                                       6523.10 00      006573.40
LX,$X0,BIT15                                17345.00 10      006574.00
SIC,SEN                                      1310.00 80      006574.40
BXVZ,SERS          -NO BIT 15.               1304.31 42      006575.00
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SIC,10010                                   6526.00 80      006575.40
B,1007                                      6523.10 00      006576.00
LX,SX0,BIT16                               17346.00 10      006576.40
SIC,SEN                                     1310.00 80      006577.00
BXVZ,SERS          -NO BIT 16.              1304.31 42      006577.40
-
SIC,10010                                   6526.00 80      006600.00
B,1007                                      6523.10 00      006600.40
LX,SX0,BIT17                               17347.00 10      006601.00
SIC,SEN                                     1310.00 80      006601.40
BXVZ,SERS          -NO BIT 17.              1304.31 42      006602.00
-
SIC,10010                                   6526.00 80      006602.40
B,1007                                      6523.10 00      006603.00
LX,SX0,BIT18                               17350.00 10      006603.40
SIC,SEN                                     1310.00 80      006604.00
BXVZ,SERS          -NO BIT 18.              1304.31 42      006604.40
-
SIC,10010                                   6526.00 80      006605.00
B,1007                                      6523.10 00      006605.40
LX,SX0,BIT19                               17351.00 10      006606.00
SIC,SEN                                     1310.00 80      006606.40
BXVZ,SERS          -NO BIT 19.              1304.31 42      006607.00
-
SIC,10010                                   6526.00 80      006607.40
B,1007                                      6523.10 00      006610.00
LX,SX0,BIT20                               17352.00 10      006610.40
SIC,SEN                                     1310.00 80      006611.00
BXVZ,SERS          -NO BIT 20.              1304.31 42      006611.40
-
SIC,10010                                   6526.00 80      006612.00
B,1007                                      6523.10 00      006612.40
LX,SX0,BIT21                               17353.00 10      006613.00
SIC,SEN                                     1310.00 80      006613.40
BXVZ,SERS          -NO BIT 21.              1304.31 42      006614.00
-
SIC,10010                                   6526.00 80      006614.40
B,1007                                      6523.10 00      006615.00
LX,SX0,BIT22                               17354.00 10      006615.40
SIC,SEN                                     1310.00 80      006616.00
BXVZ,SERS          -NO BIT 22.              1304.31 42      006616.40
-
SIC,10010                                   6526.00 80      006617.00
B,1007                                      6523.10 00      006617.40
LX,SX0,BIT23                               17355.00 10      006620.00
SIC,SEN                                     1310.00 80      006620.40
BXVZ,SERS          -NO BIT 23.              1304.31 42      006621.00
SIC,10010                                   6526.00 80      006621.40
B,1007                                      6523.10 00      006622.00
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LX,SX0,BIT28        -START CHK OF EACH BIT IN COUNT.    17362.00 10    006622.40
SIC,SEN                                                 1310.00 80    006623.00
BXCZ,SERS           -NO BIT 28.                         1304.30 42    006623.40
-
SIC,10010                                               6526.00 80    006624.00
B,1007                                                  6523.10 00    006624.40
LX,SX0,BIT29                                           17363.00 10    006625.00
SIC,SEN                                                 1310.00 80    006625.40
BXCZ,SERS           -NO BIT 29.                         1304.30 42    006626.00
-
SIC,10010                                               6526.00 80    006626.40
B,1007                                                  6523.10 00    006627.00
LX,SX0,BIT30                                           17364.00 10    006627.40
SIC,SEN                                                 1310.00 80    006630.00
BXCZ,SERS           -NO BIT 30.                         1304.30 42    006630.40
-
SIC,10010                                               6526.00 80    006631.00
B,1007                                                  6523.10 00    006631.40
LX,SX0,BIT31                                           17365.00 10    006632.00
SIC,SEN                                                 1310.00 80    006632.40
BXCZ,SERS           -NO BIT 31.                         1304.30 42    006633.00
-
SIC,10010                                               6526.00 80    006633.40
B,1007                                                  6523.10 00    006634.00
LX,SX0,BIT32                                           17366.00 10    006634.40
SIC,SEN                                                 1310.00 80    006635.00
BXCZ,SERS           -NO BIT 32.                         1304.30 42    006635.40
-
SIC,10010                                               6526.00 80    006636.00
B,1007                                                  6523.10 00    006636.40
LX,SX0,BIT33                                           17367.00 10    006637.00
SIC,SEN                                                 1310.00 80    006637.40
BXCZ,SERS           -NO BIT 33.                         1304.30 42    006640.00
-
SIC,10010                                               6526.00 80    006640.40
B,1007                                                  6523.10 00    006641.00
LX,SX0,BIT34                                           17370.00 10    006641.40
SIC,SEN                                                 1310.00 80    006642.00
BXCZ,SERS           -NO BIT 34.                         1304.30 42    006642.40
-
SIC,10010                                               6526.00 80    006643.00
B,1007                                                  6523.10 00    006643.40
LX,SX0,BIT35                                           17371.00 10    006644.00
SIC,SEN                                                 1310.00 80    006644.40
BXCZ,SERS           -NO BIT 35.                         1304.30 42    006645.00
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SIC,10010                                   6526.00 80      006645.40
B,1007                                      6523.10 00      006646.00
LX,$X0,BIT36                                17372.00 10     006646.40
SIC,SEN                                     1310.00 80      006647.00
BXCZ,SERS          -NO BIT 36.              1304.30 42      006647.40
-
SIC,10010                                   6526.00 80      006650.00
B,1007                                      6523.10 00      006650.40
LX,$X0,BIT37                                17373.00 10     006651.00
SIC,SEN                                     1310.00 80      006651.40
BXCZ,SERS          -NO BIT 37.              1304.30 42      006652.00
-
SIC,10010                                   6526.00 80      006652.40
B,1007                                      6523.10 00      006653.00
LX,$X0,BIT38                                17374.00 10     006653.40
SIC,SEN                                     1310.00 80      006654.00
BXCZ,SERS          -NO BIT 38.              1304.30 42      006654.40
-
SIC,10010                                   6526.00 80      006655.00
B,1007                                      6523.10 00      006655.40
LX,$X0,BIT39                                17375.00 10     006656.00
SIC,SEN                                     1310.00 80      006656.40
BXCZ,SERS          -NO BIT 39.              1304.30 42      006657.00
-
SIC,10010                                   6526.00 80      006657.40
B,1007                                      6523.10 00      006660.00
LX,$X0,BIT40                                17376.00 10     006660.40
SIC,SEN                                     1310.00 80      006661.00
BXCZ,SERS          -NO BIT 40.              1304.30 42      006661.40
-
SIC,10010                                   6526.00 80      006662.00
B,1007                                      6523.10 00      006662.40
LX,$X0,BIT41                                17377.00 10     006663.00
SIC,SEN                                     1310.00 80      006663.40
BXCZ,SERS          -NO BIT 41.              1304.30 42      006664.00
-
SIC,10010                                   6526.00 80      006664.40
B,1007                                      6523.10 00      006665.00
LX,$X0,BIT42                                17400.00 10     006665.40
SIC,SEN                                     1310.00 80      006666.00
BXCZ,SERS          -NO BIT 42.              1304.30 42      006666.40
-
SIC,10010                                   6526.00 80      006667.00
B,1007                                      6523.10 00      006667.40
LX,$X0,BIT43                                17401.00 10     006670.00
SIC,SEN                                     1310.00 80      006670.40
BXCZ,SERS          -NO BIT 43.              1304.30 42      006671.00
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                SIC,I0010                                   6526.00 80          006671.40
                B,I007                                      6523.10 00          006672.00
                LX,SX0,BIT44                               17402.00 10          006672.40
                SIC,SEN                                     1310.00 80          006673.00
                BXCZ,SERS       -NO BIT 44.                 1304.30 42          006673.40
                -
                SIC,I0010                                   6526.00 80          006674.00
                B,I007                                      6523.10 00          006674.40
                LX,SX0,BIT45                               17403.00 10          006675.00
                SIC,SEN                                     1310.00 80          006675.40
                BXCZ,SERS       -NO BIT 45.                 1304.30 42          006676.00
                -
                B,$+1,0                                     6677.50 00          006676.40
                BD,I001                                     6506.04 00          006677.00
                SIC,SEN0+.32                                1311.40 80          006677.40
                B,SSW           -TO SSIP                    1301.10 00          006700.00
                BD,$+.32                                    6701.04 00          006700.40
                                                -
                LX,$X13,IC200   -UPDATE CONTINUITY CHECK.   6705.32 10          006701.00
                V+,$X13,BIT0                               17326.32 B0          006701.40
                SX,$X13,IC200                               6705.33 10          006702.00
                                                -
                LX,$X13,IC200   -UPDATE CONTINUITY CHECK.   6705.32 10          006702.40
                KV,$X13,ICK200                              6706.32 90          006703.00
                SIC,SEN                                     1310.00 80          006703.40
                BZXE,SERS       -CONTINUITY ERROR.          1304.32 C0          006704.00
                B,I02                                       6707.10 00          006704.40
                                                -
                CNOP
IC200           XW,0,0,0        -CONTINUITY REG I200.          0.00 00 000000.00 00 006705.00
ICK200          XW,%B=400000.00,0,0                  400000.00 00 000000.00 00 006706.00
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                ----1202---LX DATA,KV AND KVI CHECK,EXT MEM.
                -
     102        LX,$X1,102ID          -UPDATE IDENT                6712.02 10   006707.00
                SX,$X1,DPET13                                      1437.03 10   006707.40
                SIC,RET                                            1306.40 80   006710.00
                B,IDF1                                             1443.10 00   006710.40
                Z,IC202                                           10223.22 00   006711.00
                BD,1020                                            6713.04 00   006711.40
                CNOP
     1021D      %IQSZ¤DD%BU,64,8¤,1202     Z                                    006712.00
                -
     1020       SIC,10010             -TEST BIT 0.                 6526.00 80   006713.00
                B,1007                                             6523.10 00   006713.40
                LX,$X0,BIT0                                       17326.00 10   006714.00
                KV,$X0,BIT0           -EQUAL CONDITION,KV.        17326.00 90   006714.40
                SIC,SEN                                            1310.00 80   006715.00
                     BXL,SERS                                      1304.32 42   006715.40
                SIC,SEN                                            1310.00 80   006716.00
                     BXH,SERS                                      1304.33 42   006716.40
                BXE,1021                                           6720.72 C2   006717.00
                SIC,SEN                                            1310.00 80   006717.40
                     B,SERS                                        1304.10 00   006720.00
     1021       KVI,$X0,%8¤400000.0 -EQUAL CONDITION,KVI.       400000.01 04   006720.40
                SIC,SEN                                            1310.00 80   006721.00
                     BXL,SERS                                      1304.32 42   006721.40
                SIC,SEN                                            1310.00 80   006722.00
                     BXH,SERS                                      1304.33 42   006722.40
                BXE,1022                                           6724.72 C2   006723.00
                SIC,SEN                                            1310.00 80   006723.40
                     B,SERS                                        1304.10 00   006724.00
     1022       KV,$X0,BIT1           -INDEX HI CONDITION,KV.     17327.00 90   006724.40
                SIC,SEN                                            1310.00 80   006725.00
                     BXL,SERS                                      1304.32 42   006725.40
                SIC,SEN                                            1310.00 80   006726.00
                     BXE,SERS                                      1304.32 C2   006726.40
                BXH,1023                                           6734.73 42   006727.00
                SIC,SEN                                            1310.00 80   006727.40
                     B,SERS                                        1304.10 00   006730.00
                KVI,$X0,%8¤200000.0 -INDEX HI CONDITION,KVI.    200000.01 04   006730.40
                SIC,SEN                                            1310.00 80   006731.00
                     BXL,SERS                                      1304.32 42   006731.40
                SIC,SEN                                            1310.00 80   006732.00
                     BXE,SERS                                      1304.32 C2   006732.40
                BXH,1023                                           6734.73 42   006733.00
                SIC,SEN                                            1310.00 80   006733.40
                     B,SERS                                        1304.10 00   006734.00
     1023       B,$+1.0                                            6735.50 00   006734.40
                BD,1020                                            6713.04 00   006735.00
                SIC,SEN0+.32                                       1311.40 80   006735.40
                B,SSW                 -TO SSIP.                    1301.10 00   006736.00
                BD,$+.32                                           6737.04 00   006736.40
                -
                LX,$X13,IC202         -UPDATE CONTINUITY CHECK.   10223.32 10   006737.00
                V+,$X13,BIT0                                      17326.32 B0   006737.40
                SX,$X13,IC202                                     10223.33 10   006740.00
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1024    SIC,IC01C           -TEST BIT 1.          6526.00 80      006740.40
        B,1007                                    6523.10 00      006741.00
        LX,$X0,BIT1                              17327.00 10      006741.40
        KV,$X0,BIT1         -EQUAL CONDITION,KV.  17327.00 90      006742.00
        SIC,SEN                                   1310.00 80      006742.40
              BXL,SERS                            1304.32 42      006743.00
        SIC,SEN                                   1310.00 80      006743.40
              BXH,SERS                            1304.33 42      006744.00
        BXE,1025                                  6746.32 C2      006744.40
        SIC,SEN                                   1310.00 80      006745.00
              B,SERS                              1304.10 00      006745.40
1025    KVI,$X0,%8¤200000.0 -EQUAL CONDITION,KVI.  200000.01 04   006746.00
        SIC,SEN                                   1310.00 80      006746.40
              BXL,SERS                            1304.32 42      006747.00
        SIC,SEN                                   1310.00 80      006747.40
              BXH,SERS                            1304.33 42      006750.00
        BXE,1026                                  6752.32 C2      006750.40
        SIC,SEN                                   1310.00 80      006751.00
              B,SERS                              1304.10 00      006751.40
1026    KV,$X0,BIT2         -INDEX HI CONDITION,KV. 17330.00 90   006752.00
        SIC,SEN                                   1310.00 80      006752.40
              BXL,SERS                            1304.32 42      006753.00
        SIC,SEN                                   1310.00 80      006753.40
              BXE,SERS                            1304.32 C2      006754.00
        BXH,1027                                  6756.33 42      006754.40
        SIC,SEN                                   1310.00 80      006755.00
              B,SERS                              1304.10 00      006755.40
1027    KVI,$X0,%8¤100000.0 -INDEX HI CONDITION,KVI. 100000.01 04 006756.00
        SIC,SEN                                   1310.00 80      006756.40
              BXL,SERS                            1304.32 42      006757.00
        SIC,SEN                                   1310.00 80      006757.40
              BXE,SERS                            1304.32 C2      006760.00
        BXH,1028                                  6762.33 42      006760.40
        SIC,SEN                                   1310.00 80      006761.00
              B,SERS                              1304.10 00      006761.40
1028    KV,$X0,BIT0         -INDEX LOW CONDITION,KV. 17326.00 90  006762.00
        SIC,SEN                                   1310.00 80      006762.40
              BXH,SERS                            1304.33 42      006763.00
        SIC,SEN                                   1310.00 80      006763.40
              BXE,SERS                            1304.32 C2      006764.00
        BXL,1029                                  6766.32 42      006764.40
        SIC,SEN                                   1310.00 80      006765.00
              B,SERS                              1304.10 00      006765.40
1029    KVI,$X0,%8¤400000.0 -INDEX LOW CONDITION,KVI. 400000.01 04 006766.00
        SIC,SEN                                   1310.00 80      006766.40
              BXH,SERS                            1304.33 42      006767.00
        SIC,SEN                                   1310.00 80      006767.40
              BXE,SERS                            1304.32 C2      006770.00
        BXL,10210                                 6772.32 42      006770.40
        SIC,SEN                                   1310.00 80      006771.00
              B,SERS                              1304.10 00      006771.40
10210   B,$+1.0                                   6773.10 00      006772.00
        BD,1024                                   6740.44 00      006772.40
        SIC,SEN0+.32                              1311.40 80      006773.00
        B,SSW               -TO SSIP.             1301.10 00      006773.40
        BD,$+.32                                  6774.44 00      006774.00

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10 006774.40
        V+,$X13,BIT1                              17327.32 B0     006775.00
        SX,$X13,IC202                             10223.33 10     006775.40
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10211   SIC,I0010           -TEST BIT 2.                6526.00 80      006776.00
        B,I007                                          6523.10 00      006776.40
        LX,$X0,BIT2                                     17330.00 10     006777.00
        KV,$X0,BIT2         -EQUAL CONDITION,KV.        17330.00 90     006777.40
        SIC,SEN                                         1310.00 80      007000.00
              BXL,SERS                                  1304.32 42      007000.40
        SIC,SEN                                         1310.00 80      007001.00
              BXH,SERS                                  1304.33 42      007001.40
        BXE,I0212                                       7003.72 C2      007002.00
        SIC,SEN                                         1310.00 80      007002.40
              B,SERS                                    1304.10 00      007003.00
10212   KVI,$X0,%8¤100000.0 -EQUAL CONDITION,KVI.       100000.01 04    007003.40
        SIC,SEN                                         1310.00 80      007004.00
              BXL,SERS                                  1304.32 42      007004.40
        SIC,SEN                                         1310.00 80      007005.00
              BXH,SERS                                  1304.33 42      007005.40
        BXE,I0213                                       7007.72 C2      007006.00
        SIC,SEN                                         1310.00 80      007006.40
              B,SERS                                    1304.10 00      007007.00
10213   KV,$X0,BIT3         -INDEX HI CONDITION,KV.     17331.00 90     007007.40
        SIC,SEN                                         1310.00 80      007010.00
              BXL,SERS                                  1304.32 42      007010.40
        SIC,SEN                                         1310.00 80      007011.00
              BXE,SERS                                  1304.32 C2      007011.40
        BXH,I0214                                       7013.73 42      007012.00
        SIC,SEN                                         1310.00 80      007012.40
              B,SERS                                    1304.10 00      007013.00
10214   KVI,$X0,%8¤40000.0  -INDEX HI CONDITION,KVI.    40000.01 04     007013.40
        SIC,SEN                                         1310.00 80      007014.00
              BXL,SERS                                  1304.32 42      007014.40
        SIC,SEN                                         1310.00 80      007015.00
              BXE,SERS                                  1304.32 C2      007015.40
        BXH,I0215                                       7017.73 42      007016.00
        SIC,SEN                                         1310.00 80      007016.40
              B,SERS                                    1304.10 00      007017.00
10215   KV,$X0,BIT1         -INDEX LOW CONDITION,KV.    17327.00 90     007017.40
        SIC,SEN                                         1310.00 80      007020.00
              BXH,SERS                                  1304.33 42      007020.40
        SIC,SEN                                         1310.00 80      007021.00
              BXE,SERS                                  1304.32 C2      007021.40
        BXL,I0216                                       7023.72 42      007022.00
        SIC,SEN                                         1310.00 80      007022.40
              B,SERS                                    1304.10 00      007023.00
10216   KVI,$X0,%8¤200000.0 -INDEX LOW CONDITION,KVI.   200000.01 04    007023.40
        SIC,SEN                                         1310.00 80      007024.00
              BXH,SERS                                  1304.33 42      007024.40
        SIC,SEN                                         1310.00 80      007025.00
              BXE,SERS                                  1304.32 C2      007025.40
        BXL,I0217                                       7027.72 42      007026.00
        SIC,SEN                                         1310.00 80      007026.40
              B,SERS                                    1304.10 00      007027.00
10217   B,$+1.0                                         7030.50 00      007027.40
        BD,I0211                                        6776.04 00      007030.00
        SIC,SEN0+.32                                    1311.40 80      007030.40
        B,SSW               -TO SSIP.                   1301.10 00      007031.00
        BD,$+.32                                        7032.04 00      007031.40

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK.   10223.32 10     007032.00
        V+,$X13,BIT2                                    17330.32 B0     007032.40
        SX,$X13,IC202                                   10223.33 10     007033.00
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10218   SIC,10010           -TEST BIT 3.          6526.00 80    007033.40
        B,1007                                    6523.10 00    007034.00
        LX,$X0,BIT3                               17331.00 10   007034.40
        KV,$X0,BIT3         -EQUAL CONDITION,KV.  17331.00 90   007035.00
        SIC,SEN                                   1310.00 80    007035.40
              BXL,SERS                            1304.32 42    007036.00
        SIC,SEN                                   1310.00 80    007036.40
              BXH,SERS                            1304.33 42    007037.00
        BXE,10219                                 7041.32 C2    007037.40
        SIC,SEN                                   1310.00 80    007040.00
              B,SERS                              1304.10 00    007040.40
10219   KVI,$X0,%8¤40000.0  -EQUAL CONDITION,KVI. 40000.01 04   007041.00
        SIC,SEN                                   1310.00 80    007041.40
              BXL,SERS                            1304.32 42    007042.00
        SIC,SEN                                   1310.00 80    007042.40
              BXH,SERS                            1304.33 42    007043.00
        BXE,10220                                 7045.32 C2    007043.40
        SIC,SEN                                   1310.00 80    007044.00
              B,SERS                              1304.10 00    007044.40
10220   KV,$X0,BIT4         -INDEX HI CONDITION,KV. 17332.00 90 007045.00
        SIC,SEN                                   1310.00 80    007045.40
              BXL,SERS                            1304.32 42    007046.00
        SIC,SEN                                   1310.00 80    007046.40
              BXE,SERS                            1304.32 C2    007047.00
        BXH,10221                                 7051.33 42    007047.40
        SIC,SEN                                   1310.00 80    007050.00
              B,SERS                              1304.10 00    007050.40
10221   KVI,$X0,%8¤20000.0  -INDEX HI CONDITION,KVI. 20000.01 04 007051.00
        SIC,SEN                                   1310.00 80    007051.40
              BXL,SERS                            1304.32 42    007052.00
        SIC,SEN                                   1310.00 80    007052.40
              BXE,SERS                            1304.32 C2    007053.00
        BXH,10222                                 7055.33 42    007053.40
        SIC,SEN                                   1310.00 80    007054.00
              B,SERS                              1304.10 00    007054.40
10222   KV,$X0,BIT2         -INDEX LOW CONDITION,KV. 17330.00 90 007055.00
        SIC,SEN                                   1310.00 80    007055.40
              BXH,SERS                            1304.33 42    007056.00
        SIC,SEN                                   1310.00 80    007056.40
              BXE,SERS                            1304.32 C2    007057.00
        BXL,10223                                 7061.32 42    007057.40
        SIC,SEN                                   1310.00 80    007060.00
              B,SERS                              1304.10 00    007060.40
10223   KVI,$X0,%8¤100000.0 -INDEX LOW CONDITION,KVI. 100000.01 04 007061.00
        SIC,SEN                                   1310.00 80    007061.40
              BXH,SERS                            1304.33 42    007062.00
        SIC,SEN                                   1310.00 80    007062.40
              BXE,SERS                            1304.32 C2    007063.00
        BXL,10224                                 7065.32 42    007063.40
        SIC,SEN                                   1310.00 80    007064.00
              B,SERS                              1304.10 00    007064.40
10224   B,$+1.0                                   7066.10 00    007065.00
        BD,10218                                  7033.44 00    007065.40
        SIC,SEN0+.32                              1311.40 80    007066.00
        B,SSW               -TO SSIP.             1301.10 00    007066.40
        BD,$+.32                                  7067.44 00    007067.00

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10 007067.40
        V+,$X13,BIT3                              17331.32 B0   007070.00
        SX,$X13,IC202                             10223.33 10   007070.40
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10225   SIC,10010           -TEST BIT 4.          6526.00 80   007071.00
        B,1007                                    6523.10 00   007071.40
        LX,$X0,BIT4                              17332.00 10   007072.00
        KV,$X0,BIT4         -EQUAL CONDITION,KV.  17332.00 90   007072.40
        SIC,SEN                                   1310.00 80   007073.00
              BXL,SERS                            1304.32 42   007073.40
        SIC,SEN                                   1310.00 80   007074.00
              BXH,SERS                            1304.33 42   007074.40
        BXE,10226                                 7076.72 C2   007075.00
        SIC,SEN                                   1310.00 80   007075.40
              B,SERS                              1304.10 00   007076.00
10226   KVI,$X0,%8¤20000.0  -EQUAL CONDITION,KVI. 20000.01 04   007076.40
        SIC,SEN                                   1310.00 80   007077.00
              BXL,SERS                            1304.32 42   007077.40
        SIC,SEN                                   1310.00 80   007100.00
              BXH,SERS                            1304.33 42   007100.40
        BXE,10227                                 7102.72 C2   007101.00
        SIC,SEN                                   1310.00 80   007101.40
              B,SERS                              1304.10 00   007102.00
10227   KV,$X0,BIT5         -INDEX HI CONDITION,KV. 17333.00 90 007102.40
        SIC,SEN                                   1310.00 80   007103.00
              BXL,SERS                            1304.32 42   007103.40
        SIC,SEN                                   1310.00 80   007104.00
              BXE,SERS                            1304.32 C2   007104.40
        BXH,10228                                 7106.73 42   007105.00
        SIC,SEN                                   1310.00 80   007105.40
              B,SERS                              1304.10 00   007106.00
10228   KVI,$X0,%8¤10000.0  -INDEX HI CONDITION,KVI. 10000.01 04 007106.40
        SIC,SEN                                   1310.00 80   007107.00
              BXL,SERS                            1304.32 42   007107.40
        SIC,SEN                                   1310.00 80   007110.00
              BXE,SERS                            1304.32 C2   007110.40
        BXH,10229                                 7112.73 42   007111.00
        SIC,SEN                                   1310.00 80   007111.40
              B,SERS                              1304.10 00   007112.00
10229   KV,$X0,BIT3         -INDEX LOW CONDITION,KV. 17331.00 90 007112.40
        SIC,SEN                                   1310.00 80   007113.00
              BXH,SERS                            1304.33 42   007113.40
        SIC,SEN                                   1310.00 80   007114.00
              BXE,SERS                            1304.32 C2   007114.40
        BXL,10230                                 7116.72 42   007115.00
        SIC,SEN                                   1310.00 80   007115.40
              B,SERS                              1304.10 00   007116.00
10230   KVI,$X0,%8¤40000.0  -INDEX LOW CONDITION,KVI. 40000.01 04 007116.40
        SIC,SEN                                   1310.00 80   007117.00
              BXH,SERS                            1304.33 42   007117.40
        SIC,SEN                                   1310.00 80   007120.00
              BXE,SERS                            1304.32 C2   007120.40
        BXL,10231                                 7122.72 42   007121.00
        SIC,SEN                                   1310.00 80   007121.40
              B,SERS                              1304.10 00   007122.00
10231   B,$+1.0                                   7123.50 00   007122.40
        BD,10225                                  7071.04 00   007123.00
        SIC,SEN0+.32                              1311.40 80   007123.40
        B,SSW               -TO SSIP.             1301.10 00   007124.00
        BD,$+.32                                  7125.04 00   007124.40

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10 007125.00
        V+,$X13,BIT4                             17332.32 B0   007125.40
        SX,$X13,IC202                            10223.33 10   007126.00
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I0232   SIC,I0010          -TEST BIT 5.          6526.00 80   007126.40
        B,I007                                   6523.10 00   007127.00
        LX,$X0,BIT5                             17333.00 10   007127.40
        KV,$X0,BIT5         -EQUAL CONDITION,KV. 17333.00 90   007130.00
        SIC,SEN                                  1310.00 80   007130.40
            BXL,SERS                             1304.32 42   007131.00
        SIC,SEN                                  1310.00 80   007131.40
            BXH,SERS                             1304.33 42   007132.00
        BXE,I0233                                7134.32 C2   007132.40
        SIC,SEN                                  1310.00 80   007133.00
            B,SERS                               1304.10 00   007133.40
I0233   KVI,$X0,%8=10000.0  -EQUAL CONDITION,KVI. 10000.01 04   007134.00
        SIC,SEN                                  1310.00 80   007134.40
            BXL,SERS                             1304.32 42   007135.00
        SIC,SEN                                  1310.00 80   007135.40
            BXH,SERS                             1304.33 42   007136.00
        BXE,I0234                                7140.32 C2   007136.40
        SIC,SEN                                  1310.00 80   007137.00
            B,SERS                               1304.10 00   007137.40
I0234   KV,$X0,BIT6         -INDEX HI CONDITION,KV. 17334.00 90   007140.00
        SIC,SEN                                  1310.00 80   007140.40
            BXL,SERS                             1304.32 42   007141.00
        SIC,SEN                                  1310.00 80   007141.40
            BXE,SERS                             1304.32 C2   007142.00
        BXH,I0235.                               7144.33 42   007142.40
        SIC,SEN                                  1310.00 80   007143.00
            B,SERS                               1304.10 00   007143.40
I0235   KVI,$X0,%8=4000.0   -INDEX HI CONDITION,KVI. 4000.01 04   007144.00
        SIC,SEN                                  1310.00 80   007144.40
            BXL,SERS                             1304.32 42   007145.00
        SIC,SEN                                  1310.00 80   007145.40
            BXE,SERS                             1304.32 C2   007146.00
        BXH,I0236                                7150.33 42   007146.40
        SIC,SEN                                  1310.00 80   007147.00
            B,SERS                               1304.10 00   007147.40
I0236   KV,$X0,BIT4         -INDEX LOW CONDITION,KV. 17332.00 90   007150.00
        SIC,SEN                                  1310.00 80   007150.40
            BXH,SERS                             1304.33 42   007151.00
        SIC,SEN                                  1310.00 80   007151.40
            BXE,SERS                             1304.32 C2   007152.00
        BXL,I0237                                7154.32 42   007152.40
        SIC,SEN                                  1310.00 80   007153.00
            B,SERS                               1304.10 00   007153.40
I0237   KVI,$X0,%8=20000.0  -INDEX LOW CONDITION,KVI. 20000.01 04   007154.00
        SIC,SEN                                  1310.00 80   007154.40
            BXH,SERS                             1304.33 42   007155.00
        SIC,SEN                                  1310.00 80   007155.40
            BXE,SERS                             1304.32 C2   007156.00
        BXL,I0238                                7160.32 42   007156.40
        SIC,SEN                                  1310.00 80   007157.00
            B,SERS                               1304.10 00   007157.40
I0238   B,$+1.0                                  7161.10 00   007160.00
        BD,I0232                                 7126.44 00   007160.40
        SIC,SEN0+.32                             1311.40 80   007161.00
        B,SSW               -TO SSIP.            1301.10 00   007161.40
        BD,$+.32                                 7162.44 00   007162.00

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10   007162.40
        V+,$X13,BIT5                            17333.32 B0   007163.00
        SX,$X13,IC202                           10223.33 10   007163.40
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10239   SIC,I0010           -TEST BIT 6.          6526.00 80   007164.00
        B,I007                                    6523.10 00   007164.40
        LX,$X0,BIT6                              17334.00 10   007165.00
        KV,$X0,BIT6         -EQUAL CONDITION,KV.  17334.00 90   007165.40
        SIC,SEN                                   1310.00 80   007166.00
              BXL,SERS                            1304.32 42   007166.40
        SIC,SEN                                   1310.00 80   007167.00
              BXH,SERS                            1304.33 42   007167.40
        BXE,I0240                                 7171.72 C2   007170.00
        SIC,SEN                                   1310.00 80   007170.40
              B,SERS                              1304.10 00   007171.00
10240   KVI,$X0,%8¤4000.0   -EQUAL CONDITION,KVI.  4000.01 04   007171.40
        SIC,SEN                                   1310.00 80   007172.00
              BXL,SERS                            1304.32 42   007172.40
        SIC,SEN                                   1310.00 80   007173.00
              BXH,SERS                            1304.33 42   007173.40
        BXE,I0241                                 7175.72 C2   007174.00
        SIC,SEN                                   1310.00 80   007174.40
              B,SERS                              1304.10 00   007175.00
10241   KV,$X0,BIT7         -INDEX HI CONDITION,KV. 17335.00 90 007175.40
        SIC,SEN                                   1310.00 80   007176.00
              BXL,SERS                            1304.32 42   007176.40
        SIC,SEN                                   1310.00 80   007177.00
              BXE,SERS                            1304.32 C2   007177.40
        BXH,I0242                                 7201.73 42   007200.00
        SIC,SEN                                   1310.00 80   007200.40
              B,SERS                              1304.10 00   007201.00
10242   KVI,$X0,%8¤2000.0   -INDEX HI CONDITION,KVI. 2000.01 04 007201.40
        SIC,SEN                                   1310.00 80   007202.00
              BXL,SERS                            1304.32 42   007202.40
        SIC,SEN                                   1310.00 80   007203.00
              BXE,SERS                            1304.32 C2   007203.40
        BXH,I0243                                 7205.73 42   007204.00
        SIC,SEN                                   1310.00 80   007204.40
              B,SERS                              1304.10 00   007205.00
10243   KV,$X0,BIT5         -INDEX LOW CONDITION,KV. 17333.00 90 007205.40
        SIC,SEN                                   1310.00 80   007206.00
              BXH,SERS                            1304.33 42   007206.40
        SIC,SEN                                   1310.00 80   007207.00
              BXE,SERS                            1304.32 C2   007207.40
        BXL,I0244                                 7211.72 42   007210.00
        SIC,SEN                                   1310.00 80   007210.40
              B,SERS                              1304.10 00   007211.00
10244   KVI,$X0,%8¤10000.0  -INDEX LOW CONDITION,KVI. 10000.01 04 007211.40
        SIC,SEN                                   1310.00 80   007212.00
              BXH,SERS                            1304.33 42   007212.40
        SIC,SEN                                   1310.00 80   007213.00
              BXE,SERS                            1304.32 C2   007213.40
        BXL,I0245                                 7215.72 42   007214.00
        SIC,SEN                                   1310.00 80   007214.40
              B,SERS                              1304.10 00   007215.00
10245   B,$+1.0                                   7216.50 00   007215.40
        BD,I0239                                  7164.04 00   007216.00
        SIC,SEN0+.32                              1311.40 80   007216.40
        B,$SW               -TO SSIP.             1301.10 00   007217.00
        BD,$+.32                                  7220.04 00   007217.40

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10 007220.00
        V+,$X13,BIT6                             17334.32 B0   007220.40
        SX,$X13,IC202                            10223.33 10   007221.00
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10246   SIC,10010           -TEST BIT 7.          6526.00 80    007221.40
        B,1007                                    6523.10 00    007222.00
        LX,$X0,BIT7                              17335.00 10    007222.40
        KV,$X0,BIT7         -EQUAL CONDITION,KV.  17335.00 90    007223.00
        SIC,SEN                                   1310.00 80    007223.40
              BXL,SERS                            1304.32 42    007224.00
        SIC,SEN                                   1310.00 80    007224.40
              BXH,SERS                            1304.33 42    007225.00
        BXE,10247                                 7227.32 C2    007225.40
        SIC,SEN                                   1310.00 80    007226.00
              B,SERS                              1304.10 00    007226.40
10247   KVI,$X0,%8¤2000.0   -EQUAL CONDITION,KVI.  2000.01 04    007227.00
        SIC,SEN                                   1310.00 80    007227.40
              BXL,SERS                            1304.32 42    007230.00
        SIC,SEN                                   1310.00 80    007230.40
              BXH,SERS                            1304.33 42    007231.00
        BXE,10248                                 7233.32 C2    007231.40
        SIC,SEN                                   1310.00 80    007232.00
              B,SERS                              1304.10 00    007232.40
10248   KV,$X0,BIT8         -INDEX HI CONDITION,KV. 17336.00 90  007233.00
        SIC,SEN                                   1310.00 80    007233.40
              BXL,SERS                            1304.32 42    007234.00
        SIC,SEN                                   1310.00 80    007234.40
              BXE,SERS                            1304.32 C2    007235.00
        BXH,10249                                 7237.33 42    007235.40
        SIC,SEN                                   1310.00 80    007236.00
              B,SERS                              1304.10 00    007236.40
10249   KVI,$X0,%8¤1000.0   -INDEX HI CONDITION,KVI. 1000.01 04  007237.00
        SIC,SEN                                   1310.00 80    007237.40
              BXL,SERS                            1304.32 42    007240.00
        SIC,SEN                                   1310.00 80    007240.40
              BXE,SERS                            1304.32 C2    007241.00
        BXH,10250                                 7243.33 42    007241.40
        SIC,SEN                                   1310.00 80    007242.00
              B,SERS                              1304.10 00    007242.40
10250   KV,$X0,BIT6         -INDEX LOW CONDITION,KV. 17334.00 90 007243.00
        SIC,SEN                                   1310.00 80    007243.40
              BXH,SERS                            1304.33 42    007244.00
        SIC,SEN                                   1310.00 80    007244.40
              BXE,SERS                            1304.32 C2    007245.00
        BXL,10251                                 7247.32 42    007245.40
        SIC,SEN                                   1310.00 80    007246.00
              B,SERS                              1304.10 00    007246.40
10251   KVI,$X0,%8¤4000.0   -INDEX LOW CONDITION,KVI. 4000.01 04 007247.00
        SIC,SEN                                   1310.00 80    007247.40
              BXH,SERS                            1304.33 42    007250.00
        SIC,SEN                                   1310.00 80    007250.40
              BXE,SERS                            1304.32 C2    007251.00
        BXL,10252                                 7253.32 42    007251.40
        SIC,SEN                                   1310.00 80    007252.00
              B,SERS                              1304.10 00    007252.40
10252   B,$+1.0                                   7254.10 00    007253.00
        BD,10246                                  7221.44 00    007253.40
        SIC,SEN0+.32                              1311.40 80    007254.00
        B,SSW               -TO SSIP.             1301.10 00    007254.40
        BD,$+.32                                  7255.44 00    007255.00

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10 007255.40
        V+,$X13,BIT7                             17335.32 B0    007256.00
        SX,$X13,IC202                            10223.33 10    007256.40
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10253   SIC,10010           -TEST BIT 8.                 6526.00 80   007257.00
        B,1007                                           6523.10 00   007257.40
        LX,$X0,BIT8                                     17336.00 10   007260.00
        KV,$X0,BIT8         -EQUAL CONDITION,KV.        17336.00 90   007260.40
        SIC,SEN                                          1310.00 80   007261.00
              BXL,SERS                                   1304.32 42   007261.40
        SIC,SEN                                          1310.00 80   007262.00
              BXH,SERS                                   1304.33 42   007262.40
        BXE,10254                                        7264.72 C2   007263.00
        SIC,SEN                                          1310.00 80   007263.40
              B,SERS                                     1304.10 00   007264.00
10254   KVI,$X0,%8¤1000.0   -EQUAL CONDITION,KVI.        1000.01 04   007264.40
        SIC,SEN                                          1310.00 80   007265.00
              BXL,SERS                                   1304.32 42   007265.40
        SIC,SEN                                          1310.00 80   007266.00
              BXH,SERS                                   1304.33 42   007266.40
        BXE,10255                                        7270.72 C2   007267.00
        SIC,SEN                                          1310.00 80   007267.40
              B,SERS                                     1304.10 00   007270.00
10255   KV,$X0,BIT9         -INDEX HI CONDITION,KV.     17337.00 90   007270.40
        SIC,SEN                                          1310.00 80   007271.00
              BXL,SERS                                   1304.32 42   007271.40
        SIC,SEN                                          1310.00 80   007272.00
              BXE,SERS                                   1304.32 C2   007272.40
        BXH,10256                                        7274.73 42   007273.00
        SIC,SEN                                          1310.00 80   007273.40
              B,SERS                                     1304.10 00   007274.00
10256   KVI,$X0,%8¤400.0    -INDEX HI CONDITION,KVI.     400.01 04   007274.40
        SIC,SEN                                          1310.00 80   007275.00
              BXL,SERS                                   1304.32 42   007275.40
        SIC,SEN                                          1310.00 80   007276.00
              BXE,SERS                                   1304.32 C2   007276.40
        BXH,10257                                        7300.73 42   007277.00
        SIC,SEN                                          1310.00 80   007277.40
              B,SERS                                     1304.10 00   007300.00
10257   KV,$X0,BIT7         -INDEX LOW CONDITION,KV.    17335.00 90   007300.40
        SIC,SEN                                          1310.00 80   007301.00
              BXH,SERS                                   1304.33 42   007301.40
        SIC,SEN                                          1310.00 80   007302.00
              BXE,SERS                                   1304.32 C2   007302.40
        BXL,10258                                        7304.72 42   007303.00
        SIC,SEN                                          1310.00 80   007303.40
              B,SERS                                     1304.10 00   007304.00
10258   KVI,$X0,%8¤2000.0   -INDEX LOW CONDITION,KVI.    2000.01 04   007304.40
        SIC,SEN                                          1310.00 80   007305.00
              BXH,SERS                                   1304.33 42   007305.40
        SIC,SEN                                          1310.00 80   007306.00
              BXE,SERS                                   1304.32 C2   007306.40
        BXL,10259                                        7310.72 42   007307.00
        SIC,SEN                                          1310.00 80   007307.40
              B,SERS                                     1304.10 00   007310.00
10259   B,$+1.0                                          7311.50 00   007310.40
        BD,10253                                         7257.04 00   007311.00
        SIC,SEN0+.32                                     1311.40 80   007311.40
        B,SSW               -TO SSIP.                    1301.10 00   007312.00
        BD,$+.32                                         7313.04 00   007312.40

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK.   10223.32 10   007313.00
        V+,$X13,BIT8                                    17336.32 B0   007313.40
        SX,$X13,IC202                                   10223.33 10   007314.00
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10260   SIC,10010           -TEST BIT 9.                6526.00 80   007314.40
        B,1007                                          6523.10 00   007315.00
        LX,$X0,BIT9                                    17337.00 10   007315.40
        KV,$X0,BIT9         -EQUAL CONDITION,KV.       17337.00 90   007316.00
        SIC,SEN                                         1310.00 80   007316.40
              BXL,SERS                                  1304.32 42   007317.00
        SIC,SEN                                         1310.00 80   007317.40
              BXH,SERS                                  1304.33 42   007320.00
        BXE,10261                                       7322.32 C2   007320.40
        SIC,SEN                                         1310.00 80   007321.00
              B,SERS                                    1304.10 00   007321.40
10261   KVI,$X0,%8¤400.0    -EQUAL CONDITION,KVI.       400.01 04   007322.00
        SIC,SEN                                         1310.00 80   007322.40
              BXL,SERS                                  1304.32 42   007323.00
        SIC,SEN                                         1310.00 80   007323.40
              BXH,SERS                                  1304.33 42   007324.00
        BXE,10262                                       7326.32 C2   007324.40
        SIC,SEN                                         1310.00 80   007325.00
              B,SERS                                    1304.10 00   007325.40
10262   KV,$X0,BIT10        -INDEX HI CONDITION,KV.    17340.00 90   007326.00
        SIC,SEN                                         1310.00 80   007326.40
              BXL,SERS                                  1304.32 42   007327.00
        SIC,SEN                                         1310.00 80   007327.40
              BXE,SERS                                  1304.32 C2   007330.00
        BXH,10263                                       7332.33 42   007330.40
        SIC,SEN                                         1310.00 80   007331.00
              B,SERS                                    1304.10 00   007331.40
10263   KVI,$X0,%8¤200.0    -INDEX HI CONDITION,KVI.    200.01 04   007332.00
        SIC,SEN                                         1310.00 80   007332.40
              BXL,SERS                                  1304.32 42   007333.00
        SIC,SEN                                         1310.00 80   007333.40
              BXE,SERS                                  1304.32 C2   007334.00
        BXH,10264                                       7336.33 42   007334.40
        SIC,SEN                                         1310.00 80   007335.00
              B,SERS                                    1304.10 00   007335.40
10264   KV,$X0,BIT8         -INDEX LOW CONDITION,KV.   17336.00 90   007336.00
        SIC,SEN                                         1310.00 80   007336.40
              BXH,SERS                                  1304.33 42   007337.00
        SIC,SEN                                         1310.00 80   007337.40
              BXE,SERS                                  1304.32 C2   007340.00
        BXL,10265                                       7342.32 42   007340.40
        SIC,SEN                                         1310.00 80   007341.00
              B,SERS                                    1304.10 00   007341.40
10265   KVI,$X0,%8¤1000.0   -INDEX LOW CONDITION,KVI.   1000.01 04   007342.00
        SIC,SEN                                         1310.00 80   007342.40
              BXH,SERS                                  1304.33 42   007343.00
        SIC,SEN                                         1310.00 80   007343.40
              BXE,SERS                                  1304.32 C2   007344.00
        BXL,10266                                       7346.32 42   007344.40
        SIC,SEN                                         1310.00 80   007345.00
              B,SERS                                    1304.10 00   007345.40
10266   B,$+1.0                                         7347.10 00   007346.00
        BD,10260                                        7314.44 00   007346.40
        SIC,SEN0+.32                                    1311.40 80   007347.00
        B,SSW               -TO SSIP.                   1301.10 00   007347.40
        BD,$+.32                                        7350.44 00   007350.00

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK.  10223.32 10   007350.40
        V+,$X13,BIT9                                   17337.32 B0   007351.00
        SX,$X13,IC202                                  10223.33 10   007351.40
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10267   SIC,10010           -TEST BIT 10.          6526.00 80    007352.00
        B,1007                                     6523.10 00    007352.40
        LX,$X0,BIT10                              17340.00 10    007353.00
        KV,$X0,BIT10        -EQUAL CONDITION,KV.  17340.00 90    007353.40
        SIC,SEN                                    1310.00 80    007354.00
              BXL,SERS                             1304.32 42    007354.40
        SIC,SEN                                    1310.00 80    007355.00
              BXH,SERS                             1304.33 42    007355.40
        BXE,10268                                  7357.72 C2    007356.00
        SIC,SEN                                    1310.00 80    007356.40
              B,SERS                               1304.10 00    007357.00
10268   KVI,$X0,%8¤200.0    -EQUAL CONDITION,KVI.   200.01 04    007357.40
        SIC,SEN                                    1310.00 80    007360.00
              BXL,SERS                             1304.32 42    007360.40
        SIC,SEN                                    1310.00 80    007361.00
              BXH,SERS                             1304.33 42    007361.40
        BXE,10269                                  7363.72 C2    007362.00
        SIC,SEN                                    1310.00 80    007362.40
              B,SERS                               1304.10 00    007363.00
10269   KV,$X0,BIT11        -INDEX HI CONDITION,KV.17341.00 90    007363.40
        SIC,SEN                                    1310.00 80    007364.00
              BXL,SERS                             1304.32 42    007364.40
        SIC,SEN                                    1310.00 80    007365.00
              BXE,SERS                             1304.32 C2    007365.40
        BXH,10270                                  7367.73 42    007366.00
        SIC,SEN                                    1310.00 80    007366.40
              B,SERS                               1304.10 00    007367.00
10270   KVI,$X0,%8¤100.0    -INDEX HI CONDITION,KVI. 100.01 04    007367.40
        SIC,SEN                                    1310.00 80    007370.00
              BXL,SERS                             1304.32 42    007370.40
        SIC,SEN                                    1310.00 80    007371.00
              BXE,SERS                             1304.32 C2    007371.40
        BXH,10271                                  7373.73 42    007372.00
        SIC,SEN                                    1310.00 80    007372.40
              B,SERS                               1304.10 00    007373.00
10271   KV,$X0,BIT9         -INDEX LOW CONDITION,KV.17337.00 90   007373.40
        SIC,SEN                                    1310.00 80    007374.00
              BXH,SERS                             1304.33 42    007374.40
        SIC,SEN                                    1310.00 80    007375.00
              BXE,SERS                             1304.32 C2    007375.40
        BXL,10272                                  7377.72 42    007376.00
        SIC,SEN                                    1310.00 80    007376.40
              B,SERS                               1304.10 00    007377.00
10272   KVI,$X0,%8¤400.0    -INDEX LOW CONDITION,KVI. 400.01 04   007377.40
        SIC,SEN                                    1310.00 80    007400.00
              BXH,SERS                             1304.33 42    007400.40
        SIC,SEN                                    1310.00 80    007401.00
              BXE,SERS                             1304.32 C2    007401.40
        BXL,10273                                  7403.72 42    007402.00
        SIC,SEN                                    1310.00 80    007402.40
              B,SERS                               1304.10 00    007403.00
10273   B,$+1.0                                    7404.50 00    007403.40
        BD,10267                                   7332.04 00    007404.00
        SIC,SEN0+.32                               1311.40 80    007404.40
        B,SSW               -TO SSIP.              1301.10 00    007405.00
        BD,$+.32                                   7406.04 00    007405.40

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10 007406.00
        V+,$X13,BIT10                             17340.32 B0    007406.40
        SX,$X13,IC202                             10223.33 10    007407.00
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 10274  SIC,10010          -TEST BIT 11.          6526.00 80   007407.40
        B,1007                                    6523.10 00   007410.00
        LX,$X0,BIT11                             17341.00 10   007410.40
        KV,$X0,BIT11       -EQUAL CONDITION,KV.  17341.00 90   007411.00
        SIC,SEN                                  1310.00 80   007411.40
             BXL,SERS                            1304.32 42   007412.00
        SIC,SEN                                  1310.00 80   007412.40
             BXH,SERS                            1304.33 42   007413.00
        BXE,10275                                7415.32 C2   007413.40
        SIC,SEN                                  1310.00 80   007414.00
             B,SERS                              1304.10 00   007414.40
 10275  KVI,$X0,%8=100.0   -EQUAL CONDITION,KVI.   100.01 04   007415.00
        SIC,SEN                                  1310.00 80   007415.40
             BXL,SERS                            1304.32 42   007416.00
        SIC,SEN                                  1310.00 80   007416.40
             BXH,SERS                            1304.33 42   007417.00
        BXE,10276                                7421.32 C2   007417.40
        SIC,SEN                                  1310.00 80   007420.00
             B,SERS                              1304.10 00   007420.40
 10276  KV,$X0,BIT12       -INDEX HI CONDITION,KV. 17342.00 90 007421.00
        SIC,SEN                                  1310.00 80   007421.40
             BXL,SERS                            1304.32 42   007422.00
        SIC,SEN                                  1310.00 80   007422.40
             BXE,SERS                            1304.32 C2   007423.00
        BXH,10277                                7425.33 42   007423.40
        SIC,SEN                                  1310.00 80   007424.00
             B,SERS                              1304.10 00   007424.40
 10277  KVI,$X0,%8=40.0    -INDEX HI CONDITION,KVI.   40.01 04 007425.00
        SIC,SEN                                  1310.00 80   007425.40
             BXL,SERS                            1304.32 42   007426.00
        SIC,SEN                                  1310.00 80   007426.40
             BXE,SERS                            1304.32 C2   007427.00
        BXH,10278                                7431.33 42   007427.40
        SIC,SEN                                  1310.00 80   007430.00
             B,SERS                              1304.10 00   007430.40
 10278  KV,$X0,BIT10       -INDEX LOW CONDITION,KV. 17340.00 90 007431.00
        SIC,SEN                                  1310.00 80   007431.40
             BXH,SERS                            1304.33 42   007432.00
        SIC,SEN                                  1310.00 80   007432.40
             BXE,SERS                            1304.32 C2   007433.00
        BXL,10279                                7435.32 42   007433.40
        SIC,SEN                                  1310.00 80   007434.00
             B,SERS                              1304.10 00   007434.40
 10279  KVI,$X0,%8=200.0   -INDEX LOW CONDITION,KVI.   200.01 04 007435.00
        SIC,SEN                                  1310.00 80   007435.40
             BXH,SERS                            1304.33 42   007436.00
        SIC,SEN                                  1310.00 80   007436.40
             BXE,SERS                            1304.32 C2   007437.00
        BXL,10280                                7441.32 42   007437.40
        SIC,SEN                                  1310.00 80   007440.00
             B,SERS                              1304.10 00   007440.40
 10280  B,$+1.0                                  7442.10 00   007441.00
        BD,10274                                 7407.44 00   007441.40
        SIC,SEN0+.32                             1311.40 80   007442.00
        B,SSW              -TO SSIP.             1301.10 00   007442.40
        BD,$+.32                                 7443.44 00   007443.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10 007443.40
        V+,$X13,BIT11                            17341.32 B0   007444.00
        SX,$X13,IC202                            10223.33 10   007444.40
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                10281   SIC,10010       -TEST BIT 12.                   6526.00 80      007445.00
                        B,1007                                          6523.10 00      007445.40
                        LX,$X0,BIT12                                    17342.00 10     007446.00
                        KV,$X0,BIT12    -EQUAL CONDITION,KV.            17342.00 90     007446.40
                        SIC,SEN                                         1310.00 80      007447.00
                                BXL,SERS                                1304.32 42      007447.40
                        SIC,SEN                                         1310.00 80      007450.00
                                BXH,SERS                                1304.33 42      007450.40
                        BXE,10282                                       7452.72 C2      007451.00
                        SIC,SEN                                         1310.00 80      007451.40
                                B,SERS                                  1304.10 00      007452.00
                10282   KVI,$X0,%8¤40.0 -EQUAL CONDITION,KVI.           40.01 04        007452.40
                        SIC,SEN                                         1310.00 80      007453.00
                                BXL,SERS                                1304.32 42      007453.40
                        SIC,SEN                                         1310.00 80      007454.00
                                BXH,SERS                                1304.33 42      007454.40
                        BXE,10283                                       7456.72 C2      007455.00
                        SIC,SEN                                         1310.00 80      007455.40
                                B,SERS                                  1304.10 00      007456.00
                10283   KV,$X0,BIT13    -INDEX HI CONDITION,KV.         17343.00 90     007456.40
                        SIC,SEN                                         1310.00 80      007457.00
                                BXL,SERS                                1304.32 42      007457.40
                        SIC,SEN                                         1310.00 80      007460.00
                                BXE,SERS                                1304.32 C2      007460.40
                        BXH,10284                                       7462.73 42      007461.00
                        SIC,SEN                                         1310.00 80      007461.40
                                B,SERS                                  1304.10 00      007462.00
                10284   KVI,$X0,%8¤20.0 -INDEX HI CONDITION,KVI.        20.01 04        007462.40
                        SIC,SEN                                         1310.00 80      007463.00
                                BXL,SERS                                1304.32 42      007463.40
                        SIC,SEN                                         1310.00 80      007464.00
                                BXE,SERS                                1304.32 C2      007464.40
                        BXH,10285                                       7466.73 42      007465.00
                        SIC,SEN                                         1310.00 80      007465.40
                                B,SERS                                  1304.10 00      007466.00
                10285   KV,$X0,BIT11    -INDEX LOW CONDITION,KV.        17341.00 90     007466.40
                        SIC,SEN                                         1310.00 80      007467.00
                                BXH,SERS                                1304.33 42      007467.40
                        SIC,SEN                                         1310.00 80      007470.00
                                BXE,SERS                                1304.32 C2      007470.40
                        BXL,10286                                       7472.72 42      007471.00
                        SIC,SEN                                         1310.00 80      007471.40
                                B,SERS                                  1304.10 00      007472.00
                10286   KVI,$X0,%8¤100.0 -INDEX LOW CONDITION,KVI.      100.01 04       007472.40
                        SIC,SEN                                         1310.00 80      007473.00
                                BXH,SERS                                1304.33 42      007473.40
                        SIC,SEN                                         1310.00 80      007474.00
                                BXE,SERS                                1304.32 C2      007474.40
                        BXL,10287                                       7476.72 42      007475.00
                        SIC,SEN                                         1310.00 80      007475.40
                                B,SERS                                  1304.10 00      007476.00
                10287   B,$+1.0                                         7477.50 00      007476.40
                        BD,10281                                        7445.04 00      007477.00
                        SIC,SEN0+.32                                    1311.40 80      007477.40
                        B,SSW           -TO SSIP.                       1301.10 00      007500.00
                        BD,$+.32                                        7501.04 00      007500.40

                        LX,$X13,IC202   -UPDATE CONTINUITY CHECK.       10223.32 10     007501.00
                        V+,$X13,BIT12                                   17342.32 B0     007501.40
                        SX,$X13,IC202                                   10223.33 10     007502.00
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10288   SIC,10010          -TEST BIT 13.          6526.00 80   007502.40
        B,1007                                    6523.10 00   007503.00
        LX,$X0,BIT13                             17343.00 10   007503.40
        KV,$X0,BIT13       -EQUAL CONDITION,KV.  17343.00 90   007504.00
        SIC,SEN                                  1310.00 80   007504.40
             BXL,SERS                            1304.32 42   007505.00
        SIC,SEN                                  1310.00 80   007505.40
             BXH,SERS                            1304.33 42   007506.00
        BXE,10289                                7510.32 C2   007506.40
        SIC,SEN                                  1310.00 80   007507.00
             B,SERS                              1304.10 00   007507.40
10289   KVI,$X0,%8□20.0    -EQUAL CONDITION,KVI.   20.01 04   007510.00
        SIC,SEN                                  1310.00 80   007510.40
             BXL,SERS                            1304.32 42   007511.00
        SIC,SEN                                  1310.00 80   007511.40
             BXH,SERS                            1304.33 42   007512.00
        BXE,10290                                7514.32 C2   007512.40
        SIC,SEN                                  1310.00 80   007513.00
             B,SERS                              1304.10 00   007513.40
10290   KV,$X0,BIT14       -INDEX HI CONDITION,KV. 17344.00 90   007514.00
        SIC,SEN                                  1310.00 80   007514.40
             BXL,SERS                            1304.32 42   007515.00
        SIC,SEN                                  1310.00 80   007515.40
             BXE,SERS                            1304.32 C2   007516.00
        BXH,10291                                7520.33 42   007516.40
        SIC,SEN                                  1310.00 80   007517.00
             B,SERS                              1304.10 00   007517.40
10291   KVI,$X0,%8□10.0    -INDEX HI CONDITION,KVI.  10.01 04   007520.00
        SIC,SEN                                  1310.00 80   007520.40
             BXL,SERS                            1304.32 42   007521.00
        SIC,SEN                                  1310.00 80   007521.40
             BXE,SERS                            1304.32 C2   007522.00
        BXH,10292                                7524.33 42   007522.40
        SIC,SEN                                  1310.00 80   007523.00
             B,SERS                              1304.10 00   007523.40
10292   KV,$X0,BIT12       -INDEX LOW CONDITION,KV. 17342.00 90   007524.00
        SIC,SEN                                  1310.00 80   007524.40
             BXH,SERS                            1304.33 42   007525.00
        SIC,SEN                                  1310.00 80   007525.40
             BXE,SERS                            1304.32 C2   007526.00
        BXL,10293                                7530.32 42   007526.40
        SIC,SEN                                  1310.00 80   007527.00
             B,SERS                              1304.10 00   007527.40
10293   KVI,$X0,%8□40.0    -INDEX LOW CONDITION,KVI.  40.01 04   007530.00
        SIC,SEN                                  1310.00 80   007530.40
             BXH,SERS                            1304.33 42   007531.00
        SIC,SEN                                  1310.00 80   007531.40
             BXE,SERS                            1304.32 C2   007532.00
        BXL,10294                                7534.32 42   007532.40
        SIC,SEN                                  1310.00 80   007533.00
             B,SERS                              1304.10 00   007533.40
10294   B,$+1.0                                  7535.10 00   007534.00
        BD,10288                                 7502.44 00   007534.40
        SIC,SEN0+.32                             1311.40 80   007535.00
        B,SSW              -TO SSIP.             1301.10 00   007535.40
        BD,$+.32                                 7536.44 00   007536.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10   007536.40
        V+,$X13,BIT13                            17343.32 B0   007537.00
        SX,$X13,IC202                            10223.33 10   007537.40
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10295   SIC,10010           -TEST BIT 14.          6526.00 80   007540.00
        B,1007                                     6523.10 00   007540.40
        LX,$X0,BIT14                              17344.00 10   007541.00
        KV,$X0,BIT14        -EQUAL CONDITION,KV.  17344.00 90   007541.40
        SIC,SEN                                    1310.00 80   007542.00
              BXL,SERS                             1304.32 42   007542.40
        SIC,SEN                                    1310.00 80   007543.00
              BXH,SERS                             1304.33 42   007543.40
        BXE,10296                                  7545.72 C2   007544.00
        SIC,SEN                                    1310.00 80   007544.40
              B,SERS                               1304.10 00   007545.00
10296   KVI,$X0,%8=10.0     -EQUAL CONDITION,KVI.    10.01 04   007545.40
        SIC,SEN                                    1310.00 80   007546.00
              BXL,SERS                             1304.32 42   007546.40
        SIC,SEN                                    1310.00 80   007547.00
              BXH,SERS                             1304.33 42   007547.40
        BXE,10297                                  7551.72 C2   007550.00
        SIC,SEN                                    1310.00 80   007550.40
              B,SERS                               1304.10 00   007551.00
10297   KV,$X0,BIT15        -INDEX HI CONDITION,KV. 17345.00 90   007551.40
        SIC,SEN                                    1310.00 80   007552.00
              BXL,SERS                             1304.32 42   007552.40
        SIC,SEN                                    1310.00 80   007553.00
              BXE,SERS                             1304.32 C2   007553.40
        BXH,10298                                  7555.73 42   007554.00
        SIC,SEN                                    1310.00 80   007554.40
              B,SERS                               1304.10 00   007555.00
10298   KVI,$X0,%8=4.0      -INDEX HI CONDITION,KVI.   4.01 04   007555.40
        SIC,SEN                                    1310.00 80   007556.00
              BXL,SERS                             1304.32 42   007556.40
        SIC,SEN                                    1310.00 80   007557.00
              BXE,SERS                             1304.32 C2   007557.40
        BXH,10299                                  7561.73 42   007560.00
        SIC,SEN                                    1310.00 80   007560.40
              B,SERS                               1304.10 00   007561.00
10299   KV,$X0,BIT13        -INDEX LOW CONDITION,KV. 17343.00 90   007561.40
        SIC,SEN                                    1310.00 80   007562.00
              BXH,SERS                             1304.33 42   007562.40
        SIC,SEN                                    1310.00 80   007563.00
              BXE,SERS                             1304.32 C2   007563.40
        BXL,102100                                 7565.72 42   007564.00
        SIC,SEN                                    1310.00 80   007564.40
              B,SERS                               1304.10 00   007565.00
102100  KVI,$X0,%8=20.0     -INDEX LOW CONDITION,KVI.  20.01 04   007565.40
        SIC,SEN                                    1310.00 80   007566.00
              BXH,SERS                             1304.33 42   007566.40
        SIC,SEN                                    1310.00 80   007567.00
              BXE,SERS                             1304.32 C2   007567.40
        BXL,102101                                 7571.72 42   007570.00
        SIC,SEN                                    1310.00 80   007570.40
              B,SERS                               1304.10 00   007571.00
102101  B,$+1.0                                    7572.50 00   007571.40
        BD,10295                                   7540.04 00   007572.00
        SIC,SEN0+.32                               1311.40 80   007572.40
        B,SSW               -TO SSIP.              1301.10 00   007573.00
        BD,$+.32                                   7574.04 00   007573.40

        LX,$X13,IC202       -UPDATE CONTINUITY CHECK. 10223.32 10   007574.00
        V+,$X13,BIT14                             17344.32 B0   007574.40
        SX,$X13,IC202                             10223.33 10   007575.00
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102102  SIC,10010          -TEST BIT 15.          6526.00 80    007575.40
        B,1007                                    6523.10 00    007576.00
        LX,$X0,BIT15                             17345.00 10    007576.40
        KV,$X0,BIT15       -EQUAL CONDITION,KV.  17345.00 90    007577.00
        SIC,SEN                                  1310.00 80    007577.40
              BXL,SERS                           1304.32 42    007600.00
        SIC,SEN                                  1310.00 80    007600.40
              BXH,SERS                           1304.33 42    007601.00
        BXE,102103                               7603.32 C2    007601.40
        SIC,SEN                                  1310.00 80    007602.00
              B,SERS                             1304.10 00    007602.40
102103  KVI,$X0,%8¤4.0     -EQUAL CONDITION,KVI.   4.01 04    007603.00
        SIC,SEN                                  1310.00 80    007603.40
              BXL,SERS                           1304.32 42    007604.00
        SIC,SEN                                  1310.00 80    007604.40
              BXH,SERS                           1304.33 42    007605.00
        BXE,102104                               7607.32 C2    007605.40
        SIC,SEN                                  1310.00 80    007606.00
              B,SERS                             1304.10 00    007606.40
102104  KV,$X0,BIT16       -INDEX HI CONDITION,KV. 17346.00 90  007607.00
        SIC,SEN                                  1310.00 80    007607.40
              BXL,SERS                           1304.32 42    007610.00
        SIC,SEN                                  1310.00 80    007610.40
              BXE,SERS                           1304.32 C2    007611.00
        BXH,102105                               7613.33 42    007611.40
        SIC,SEN                                  1310.00 80    007612.00
              B,SERS                             1304.10 00    007612.40
102105  KVI,$X0,%8¤2.0     -INDEX HI CONDITION,KVI.   2.01 04  007613.00
        SIC,SEN                                  1310.00 80    007613.40
              BXL,SERS                           1304.32 42    007614.00
        SIC,SEN                                  1310.00 80    007614.40
              BXE,SERS                           1304.32 C2    007615.00
        BXH,102106                               7617.33 42    007615.40
        SIC,SEN                                  1310.00 80    007616.00
              B,SERS                             1304.10 00    007616.40
102106  KV,$X0,BIT14       -INDEX LOW CONDITION,KV. 17344.00 90 007617.00
        SIC,SEN                                  1310.00 80    007617.40
              BXH,SERS                           1304.33 42    007620.00
        SIC,SEN                                  1310.00 80    007620.40
              BXE,SERS                           1304.32 C2    007621.00
        BXL,102107                               7623.32 42    007621.40
        SIC,SEN                                  1310.00 80    007622.00
              B,SERS                             1304.10 00    007622.40
102107  KVI,$X0,%8¤10.0    -INDEX LOW CONDITION,KVI.  10.01 04 007623.00
        SIC,SEN                                  1310.00 80    007623.40
              BXH,SERS                           1304.33 42    007624.00
        SIC,SEN                                  1310.00 80    007624.40
              BXE,SERS                           1304.32 C2    007625.00
        BXL,102108                               7627.32 42    007625.40
        SIC,SEN                                  1310.00 80    007626.00
              B,SERS                             1304.10 00    007626.40
102108  B,$+1.0                                  7630.10 00    007627.00
        BD,102102                                7575.44 00    007627.40
        SIC,SEN0+.32                             1311.40 80    007630.00
        B,SSW              -TO SSIP.             1301.10 00    007630.40
        BD,$+.32                                 7631.44 00    007631.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10 007631.40
        V+,$X13,BIT15                            17345.32 B0   007632.00
        SX,$X13,IC202                            10223.33 10   007632.40
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102109  SIC,10010          -TEST BIT 16.          6526.00 80   007633.00
        B,1007                                    6523.10 00   007633.40
        LX,$X0,BIT16                             17346.00 10   007634.00
        KV,$X0,BIT16       -EQUAL CONDITION,KV.  17346.00 90   007634.40
        SIC,SEN                                  1310.00 80   007635.00
              BXL,SERS                           1304.32 42   007635.40
        SIC,SEN                                  1310.00 80   007636.00
              BXH,SERS                           1304.33 42   007636.40
        BXE,102110                                7640.72 C2   007637.00
        SIC,SEN                                  1310.00 80   007637.40
              B,SERS                             1304.10 00   007640.00
102110  KVI,$X0,%8□2.0     -EQUAL CONDITION,KVI.    2.01 04   007640.40
        SIC,SEN                                  1310.00 80   007641.00
              BXL,SERS                           1304.32 42   007641.40
        SIC,SEN                                  1310.00 80   007642.00
              BXH,SERS                           1304.33 42   007642.40
        BXE,102111                                7644.72 C2   007643.00
        SIC,SEN                                  1310.00 80   007643.40
              B,SERS                             1304.10 00   007644.00
102111  KV,$X0,BIT17       -INDEX HI CONDITION,KV. 17347.00 90   007644.40
        SIC,SEN                                  1310.00 80   007645.00
              BXL,SERS                           1304.32 42   007645.40
        SIC,SEN                                  1310.00 80   007646.00
              BXE,SERS                           1304.32 C2   007646.40
        BXH,102112                                7650.73 42   007647.00
        SIC,SEN                                  1310.00 80   007647.40
              B,SERS                             1304.10 00   007650.00
102112  KVI,$X0,%8□1.0     -INDEX HI CONDITION,KVI.  1.01 04   007650.40
        SIC,SEN                                  1310.00 80   007651.00
              BXL,SERS                           1304.32 42   007651.40
        SIC,SEN                                  1310.00 80   007652.00
              BXE,SERS                           1304.32 C2   007652.40
        BXH,102113                                7654.73 42   007653.00
        SIC,SEN                                  1310.00 80   007653.40
              B,SERS                             1304.10 00   007654.00
102113  KV,$X0,BIT15       -INDEX LOW CONDITION,KV. 17345.00 90   007654.40
        SIC,SEN                                  1310.00 80   007655.00
              BXH,SERS                           1304.33 42   007655.40
        SIC,SEN                                  1310.00 80   007656.00
              BXE,SERS                           1304.32 C2   007656.40
        BXL,102114                                7660.72 42   007657.00
        SIC,SEN                                  1310.00 80   007657.40
              B,SERS                             1304.10 00   007660.00
102114  KVI,$X0,%8□4.0     -INDEX LOW CONDITION,KVI.    4.01 04   007660.40
        SIC,SEN                                  1310.00 80   007661.00
              BXH,SERS                           1304.33 42   007661.40
        SIC,SEN                                  1310.00 80   007662.00
              BXE,SERS                           1304.32 C2   007662.40
        BXL,102115                                7664.72 42   007663.00
        SIC,SEN                                  1310.00 80   007663.40
              B,SERS                             1304.10 00   007664.00
102115  B,$+1.0                                  7665.50 00   007664.40
        BD,102109                                 7633.04 00   007665.00
        SIC,SEN0+.32                             1311.40 80   007665.40
        B,SSW              -TO SSIP.             1301.10 00   007666.00
        BD,$+.32                                 7667.04 00   007666.40

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10   007667.00
        V+,$X13,BIT16                            17346.32 B0   007667.40
        SX,$X13,IC202                            10223.33 10   007670.00
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I02116  SIC,I0010          -TEST BIT 17.          6526.00 80   007670.40
        B,I007                                    6523.10 00   007671.00
        LX,$X0,BIT17                             17347.00 10   007671.40
        KV,$X0,BIT17       -EQUAL CONDITION,KV.  17347.00 90   007672.00
        SIC,SEN                                  1310.00 80   007672.40
                BXL,SERS                         1304.32 42   007673.00
        SIC,SEN                                  1310.00 80   007673.40
                BXH,SERS                         1304.33 42   007674.00
        BXE,I02117                               7676.32 C2   007674.40
        SIC,SEN                                  1310.00 80   007675.00
                B,SERS                           1304.10 00   007675.40
I02117  KVI,$X0,%8□1.0     -EQUAL CONDITION,KVI.    1.01 04   007676.00
        SIC,SEN                                  1310.00 80   007676.40
                BXL,SERS                         1304.32 42   007677.00
        SIC,SEN                                  1310.00 80   007677.40
                BXH,SERS                         1304.33 42   007700.00
        BXE,I02118                               7702.32 C2   007700.40
        SIC,SEN                                  1310.00 80   007701.00
                B,SERS                           1304.10 00   007701.40
I02118  KV,$X0,BIT18       -INDEX HI CONDITION,KV. 17350.00 90   007702.00
        SIC,SEN                                  1310.00 80   007702.40
                BXL,SERS                         1304.32 42   007703.00
        SIC,SEN                                  1310.00 80   007703.40
                BXE,SERS                         1304.32 C2   007704.00
        BXH,I02119                               7706.33 42   007704.40
        SIC,SEN                                  1310.00 80   007705.00
                B,SERS                           1304.10 00   007705.40
I02119  KVI,$X0,%8□0.40    -INDEX HI CONDITION, KVI.   0.41 04   007706.00
        SIC,SEN                                  1310.00 80   007706.40
                BXL,SERS                         1304.32 42   007707.00
        SIC,SEN                                  1310.00 80   007707.40
                BXE,SERS                         1304.32 C2   007710.00
        BXH,I02120                               7712.33 42   007710.40
        SIC,SEN                                  1310.00 80   007711.00
                B,SERS                           1304.10 00   007711.40
I02120  KV,$X0,BIT16       -INDEX LOW CONDITION,KV. 17346.00 90   007712.00
        SIC,SEN                                  1310.00 80   007712.40
                BXH,SERS                         1304.33 42   007713.00
        SIC,SEN                                  1310.00 80   007713.40
                BXE,SERS                         1304.32 C2   007714.00
        BXL,I02121                               7716.32 42   007714.40
        SIC,SEN                                  1310.00 80   007715.00
                B,SERS                           1304.10 00   007715.40
I02121  KVI,$X0,%8□2.0     -INDEX LOW CONDITION,KVI.   2.01 04   007716.00
        SIC,SEN                                  1310.00 80   007716.40
                BXH,SERS                         1304.33 42   007717.00
        SIC,SEN                                  1310.00 80   007717.40
                BXE,SERS                         1304.32 C2   007720.00
        BXL,I02122                               7722.32 42   007720.40
        SIC,SEN                                  1310.00 80   007721.00
                B,SERS                           1304.10 00   007721.40
I02122  B,$+1.0                                  7723.10 00   007722.00
        BD,I02116                                7670.44 00   007722.40
        SIC,SEN0+.32                             1311.40 80   007723.00
        B,SSW              -TO SSIP.             1301.10 00   007723.40
        BD,$+.32                                 7724.44 00   007724.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10   007724.40
        V+,$X13,BIT17                            17347.32 B0   007725.00
        SX,$X13,IC202                            10223.33 10   007725.40
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I02123  SIC,I0010          -TEST BIT 18.          6526.00 80   007726.00
        B,I007                                    6523.10 00   007726.40
        LX,$X0,BIT18                             17350.00 10   007727.00
        KV,$X0,BIT18       -EQUAL CONDITION,KV.  17350.00 90   007727.40
        SIC,SEN                                   1310.00 80   007730.00
              BXL,SERS                            1304.32 42   007730.40
        SIC,SEN                                   1310.00 80   007731.00
              BXH,SERS                            1304.33 42   007731.40
        BXE,I02124                                7733.72 C2   007732.00
        SIC,SEN                                   1310.00 80   007732.40
              B,SERS                              1304.10 00   007733.00
I02124  KVI,$X0,%8□0.40    -EQUAL CONDITION, KVI.    0.41 04   007733.40
        SIC,SEN                                   1310.00 80   007734.00
              BXL,SERS                            1304.32 42   007734.40
        SIC,SEN                                   1310.00 80   007735.00
              BXH,SERS                            1304.33 42   007735.40
        BXE,I02125                                7737.72 C2   007736.00
        SIC,SEN                                   1310.00 80   007736.40
              B,SERS                              1304.10 00   007737.00
I02125  KV,$X0,BIT19       -INDEX HI CONDITION,KV. 17351.00 90   007737.40
        SIC,SEN                                   1310.00 80   007740.00
              BXL,SERS                            1304.32 42   007740.40
        SIC,SEN                                   1310.00 80   007741.00
              BXE,SERS                            1304.32 C2   007741.40
        BXH,I02126                                7743.73 42   007742.00
        SIC,SEN                                   1310.00 80   007742.40
              B,SERS                              1304.10 00   007743.00
I02126  KVI,$X0,%8□0.0     -INDEX HI CONDITION,KVI.  0.01 04   007743.40
        SIC,SEN                                   1310.00 80   007744.00
              BXL,SERS                            1304.32 42   007744.40
        SIC,SEN                                   1310.00 80   007745.00
              BXE,SERS                            1304.32 C2   007745.40
        BXH,I02127                                7747.73 42   007746.00
        SIC,SEN                                   1310.00 80   007746.40
              B,SERS                              1304.10 00   007747.00
I02127  KV,$X0,BIT17       -INDEX LOW CONDITION,KV. 17347.00 90  007747.40
        SIC,SEN                                   1310.00 80   007750.00
              BXH,SERS                            1304.33 42   007750.40
        S1C,SEN                                   1310.00 80   007751.00
              BXE,SERS                            1304.32 C2   007751.40
        BXL,I02128                                7753.72 42   007752.00
        SIC,SEN                                   1310.00 80   007752.40
              B,SERS                              1304.10 00   007753.00
I02128  KVI,$X0,%8□1.0     -INDEX LOW CONDITION,KVI.    1.01 04   007753.40
        SIC,SEN                                   1310.00 80   007754.00
              BXH,SERS                            1304.33 42   007754.40
        SIC,SEN                                   1310.00 80   007755.00
              BXE,SERS                            1304.32 C2   007755.40
        BXL,I02129                                7757.72 42   007756.00
        SIC,SEN                                   1310.00 80   007756.40
              B,SERS                              1304.10 00   007757.00
I02129  B,$+1.0                                   7760.50 00   007757.40
        BD,I02123                                 7726.04 00   007760.00
        SIC,SEN0+.32                              1311.40 80   007760.40
        B,SSW              -TO SSIP.              1301.10 00   007761.00
        BD,$+.32                                  7762.04 00   007761.40

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10  007762.00
        V+,$X13,BIT18                            17350.32 B0   007762.40
        SX,$X13,IC202                            10223.33 10   007763.00
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I02130  SIC,I0010          -TEST BIT 19.          6526.00 80   007763.40
        B,I007                                    6523.10 00   007764.00
        LX,SX0,BIT19                             17351.00 10   007764.40
        KV,SX0,BIT19       -EQUAL CONDITION,KV.  17351.00 90   007765.00
        SIC,SEN                                   1310.00 80   007765.40
              BXL,SERS                            1304.32 42   007766.00
        SIC,SEN                                   1310.00 80   007766.40
              BXH,SERS                            1304.33 42   007767.00
        BXE,I02131                                7771.32 C2   007767.40
        SIC,SEN                                   1310.00 80   007770.00
              B,SERS                              1304.10 00   007770.40
I02131  KV,SX0,BIT20       -INDEX HI CONDITION,KV. 17352.00 90  007771.00
        SIC,SEN                                   1310.00 80   007771.40
              BXL,SERS                            1304.32 42   007772.00
        SIC,SEN                                   1310.00 80   007772.40
              BXE,SERS                            1304.32 C2   007773.00
        BXH,I02132                                7775.33 42   007773.40
        SIC,SEN                                   1310.00 80   007774.00
              B,SERS                              1304.10 00   007774.40
I02132  KVI,SX0,%8□0.0     -INDEX HI CONDITION,KVI.    0.01 04  007775.00
        SIC,SEN                                   1310.00 80   007775.40
              BXL,SERS                            1304.32 42   007776.00
        SIC,SEN                                   1310.00 80   007776.40
              BXE,SERS                            1304.32 C2   007777.00
        BXH,I02133                               10001.33 42   007777.40
        SIC,SEN                                   1310.00 80   010000.00
              B,SERS                              1304.10 00   010000.40
I02133  KV,SX0,BIT18       -INDEX LOW CONDITION,KV. 17350.00 90 010001.00
        SIC,SEN                                   1310.00 80   010001.40
              BXH,SERS                            1304.33 42   010002.00
        SIC,SEN                                   1310.00 80   010002.40
              BXE,SERS                            1304.32 C2   010003.00
        BXL,I02134                               10005.32 42   010003.40
        SIC,SEN                                   1310.00 80   010004.00
              B,SERS                              1304.10 00   010004.40
I02134  KVI,SX0,%8□0.40    -INDEX LOW CONDITION, KVI.   0.41 04  010005.00
        SIC,SEN                                   1310.00 80   010005.40
              BXH,SERS                            1304.33 42   010006.00
        SIC,SEN                                   1310.00 80   010006.40
              BXE,SERS                            1304.32 C2   010007.00
        BXL,I02135                               10011.32 42   010007.40
        SIC,SEN                                   1310.00 80   010010.00
              B,SERS                              1304.10 00   010010.40
I02135  B,$+1.0                                  10012.10 00   010011.00
        BD,I02130                                 7763.44 00   010011.40
        SIC,SEN0+.32                              1311.40 80   010012.00
        B,SSW              -TO SSIP.              1301.10 00   010012.40
        BD,$+.32                                 10013.44 00   010013.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10 010013.40
        V+,$X13,BIT19                            17351.32 B0   010014.00
        SX,$X13,IC202                            10223.33 10   010014.40
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I02136  SIC,I0010          -TEST BIT 20.          6526.00 80    010015.00
        B,I007                                    6523.10 00    010015.40
        LX,$X0,BIT20                             17352.00 10    010016.00
        KV,$X0,BIT20       -EQUAL CONDITION,KV.  17352.00 90    010016.40
        SIC,SEN                                   1310.00 80    010017.00
              BXL,SERS                            1304.32 42    010017.40
        SIC,SEN                                   1310.00 80    010020.00
              BXH,SERS                            1304.33 42    010020.40
        BXE,I02137                               10022.72 C2    010021.00
        SIC,SEN                                   1310.00 80    010021.40
              B,SERS                              1304.10 00    010022.00
I02137  KV,$X0,BIT21       -INDEX HI CONDITION,KV. 17353.00 90   010022.40
        SIC,SEN                                   1310.00 80    010023.00
              BXL,SERS                            1304.32 42    010023.40
        SIC,SEN                                   1310.00 80    010024.00
              BXE,SERS                            1304.32 C2    010024.40
        BXH,I02138                               10026.73 42    010025.00
        SIC,SEN                                   1310.00 80    010025.40
              B,SERS                              1304.10 00    010026.00
I02138  KVI,$X0,%8B0.0     -INDEX HI CONDITION,KVI.    0.01 04   010026.40
        SIC,SEN                                   1310.00 80    010027.00
              BXL,SERS                            1304.32 42    010027.40
        SIC,SEN                                   1310.00 80    010030.00
              BXE,SERS                            1304.32 C2    010030.40
        BXH,I02139                               10032.73 42    010031.00
        SIC,SEN                                   1310.00 80    010031.40
              B,SERS                              1304.10 00    010032.00
I02139  KV,$X0,BIT19       -INDEX LOW CONDITION,KV. 17351.00 90  010032.40
        SIC,SEN                                   1310.00 80    010033.00
              BXH,SERS                            1304.33 42    010033.40
        SIC,SEN                                   1310.00 80    010034.00
              BXE,SERS                            1304.32 C2    010034.40
        BXL,I02140                               10036.72 42    010035.00
        SIC,SEN                                   1310.00 80    010035.40
              B,SERS                              1304.10 00    010036.00
I02140  KVI,$X0,%8B0.40    -INDEX LOW CONDITION, KVI.   0.41 04   010036.40
        SIC,SEN                                   1310.00 80    010037.00
              BXH,SERS                            1304.33 42    010037.40
        SIC,SEN                                   1310.00 80    010040.00
              BXE,SERS                            1304.32 C2    010040.40
        BXL,I02141                               10042.72 42    010041.00
        SIC,SEN                                   1310.00 80    010041.40
              B,SERS                              1304.10 00    010042.00
I02141  B,S+1.0                                  10043.50 00    010042.40
        BD,I02136                                10015.04 00    010043.00
        SIC,SEN0+.32                              1311.40 80    010043.40
        B,SSW              -TO SSIP.              1301.10 00    010044.00
        BD,$+.32                                 10045.04 00    010044.40

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10 010045.00
        V+,$X13,BIT20                            17352.32 B0    010045.40
        SX,$X13,IC202                            10223.33 10    010046.00
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I02142  SIC,I0010          -TEST BIT 21.          6526.00 80    010046.40
        B,I007                                    6523.10 00    010047.00
        LX,$X0,BIT21                             17353.00 10    010047.40
        KV,$X0,BIT21       -EQUAL CONDITION, KV. 17353.00 90    010050.00
        SIC,SEN                                   1310.00 80    010050.40
              BXL,SERS                            1304.32 42    010051.00
        SIC,SEN                                   1310.00 80    010051.40
              BXH,SERS                            1304.33 42    010052.00
        BXE,I02143                               10054.32 C2    010052.40
        SIC,SEN                                   1310.00 80    010053.00
              B,SERS                              1304.10 00    010053.40
I02143  KV,$X0,BIT22       -INDEX HI CONDITION,KV. 17354.00 90  010054.00
        SIC,SEN                                   1310.00 80    010054.40
              BXL,SERS                            1304.32 42    010055.00
        SIC,SEN                                   1310.00 80    010055.40
              BXE,SERS                            1304.32 C2    010056.00
        BXH,I02144                               10060.33 42    010056.40
        SIC,SEN                                   1310.00 80    010057.00
              B,SERS                              1304.10 00    010057.40
I02144  KVI,$X0,%8B0.0     -INDEX HI CONDITION,KVI.     0.01 04  010060.00
        SIC,SEN                                   1310.00 80    010060.40
              BXL,SERS                            1304.32 42    010061.00
        SIC,SEN                                   1310.00 80    010061.40
              BXE,SERS                            1304.32 C2    010062.00
        BXH,I02145                               10064.33 42    010062.40
        SIC,SEN                                   1310.00 80    010063.00
              B,SERS                              1304.10 00    010063.40
I02145  KV,$X0,BIT20       -INDEX LOW CONDITION,KV. 17352.00 90 010064.00
        SIC,SEN                                   1310.00 80    010064.40
              BXH,SERS                            1304.33 42    010065.00
        SIC,SEN                                   1310.00 80    010065.40
              BXE,SERS                            1304.32 C2    010066.00
        BXL,I02146                               10070.32 42    010066.40
        SIC,SEN                                   1310.00 80    010067.00
              B,SERS                              1304.10 00    010067.40
I02146  KVI,$X0,%8B0.40    -INDEX LOW CONDITION, KVI.   0.41 04  010070.00
        SIC,SEN                                   1310.00 80    010070.40
              BXH,SERS                            1304.33 42    010071.00
        SIC,SEN                                   1310.00 80    010071.40
              BXE,SERS                            1304.32 C2    010072.00
        BXL,I02147                               10074.32 42    010072.40
        SIC,SEN                                   1310.00 80    010073.00
              B,SERS                              1304.10 00    010073.40
I02147  B,$+1.0                                  10075.10 00    010074.00
        BD,I02142                                10046.44 00    010074.40
        SIC,SEN0+.32                              1311.40 80    010075.00
        B,SSW              -TO SSIP.              1301.10 00    010075.40
        BD,$+.32                                 10076.44 00    010076.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10 010076.40
        V+,$X13,BIT21                            17353.32 B0    010077.00
        SX,$X13,IC202                            10223.33 10    010077.40
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102148  SIC,10010          -TEST BIT 22.          6526.00 80   010100.00
        B,1007                                    6523.10 00   010100.40
        LX,$X0,BIT22                             17354.00 10   010101.00
        KV,$X0,BIT22       -EQUAL CONDITION,KV.  17354.00 90   010101.40
        SIC,SEN                                   1310.00 80   010102.00
              BXL,SERS                            1304.32 42   010102.40
        SIC,SEN                                   1310.00 80   010103.00
              BXH,SERS                            1304.33 42   010103.40
        BXE,102149                               10105.72 C2   010104.00
        SIC,SEN                                   1310.00 80   010104.40
              B,SERS                              1304.10 00   010105.00
102149  KV,$X0,BIT23       -INDEX HI CONDITION,KV. 17355.00 90   010105.40
        SIC,SEN                                   1310.00 80   010106.00
              BXL,SERS                            1304.32 42   010106.40
        SIC,SEN                                   1310.00 80   010107.00
              BXE,SERS                            1304.32 C2   010107.40
        BXH,102150                               10111.73 42   010110.00
        SIC,SEN                                   1310.00 80   010110.40
              B,SERS                              1304.10 00   010111.00
102150  KVI,$X0,%8□0.0     -INDEX HI CONDITION,KVI.    0.01 04   010111.40
        SIC,SEN                                   1310.00 80   010112.00
              BXL,SERS                            1304.32 42   010112.40
        SIC,SEN                                   1310.00 80   010113.00
              BXE,SERS                            1304.32 C2   010113.40
        BXH,102151                               10115.73 42   010114.00
        SIC,SEN                                   1310.00 80   010114.40
              B,SERS                              1304.10 00   010115.00
102151  KV,$X0,BIT21       -INDEX LOW CONDITION,KV. 17353.00 90   010115.40
        SIC,SEN                                   1310.00 80   010116.00
              BXH,SERS                            1304.33 42   010116.40
        SIC,SEN                                   1310.00 80   010117.00
              BXE,SERS                            1304.32 C2   010117.40
        BXL,102152                               10121.72 42   010120.00
        SIC,SEN                                   1310.00 80   010120.40
              B,SERS                              1304.10 00   010121.00
102152  KVI,$X0,%8□0.40    -INDEX LOW CONDITION, KVI.  0.41 04   010121.40
        SIC,SEN                                   1310.00 80   010122.00
              BXH,SERS                            1304.33 42   010122.40
        SIC,SEN                                   1310.00 80   010123.00
              BXE,SERS                            1304.32 C2   010123.40
        BXL,102153                               10125.72 42   010124.00
        SIC,SEN                                   1310.00 80   010124.40
              B,SERS                              1304.10 00   010125.00
102153  B,$+1.0                                  10126.50 00   010125.40
        BD,102148                                10100.04 00   010126.00
        SIC,SEN□+.32                              1311.40 80   010126.40
        B,SSW              -TO SSIP.              1301.10 00   010127.00
        BD,$+.32                                 10130.04 00   010127.40

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10   010130.00
        V+,$X13,BIT22                            17354.32 B0   010130.40
        SX,$X13,IC202                            10223.33 10   010131.00
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I02154  SIC,I0010          -TEST BIT 23.          6526.00 80      010131.40
        B,I007                                    6523.10 00      010132.00
        LX,$X0,BIT23                             17355.00 10      010132.40
        KV,$X0,BIT23       -EQUAL CONDITION,KV.  17355.00 90      010133.00
        SIC,SEN                                  1310.00 80      010133.40
              BXL,SERS                           1304.32 42      010134.00
        SIC,SEN                                  1310.00 80      010134.40
              BXH,SERS                           1304.33 42      010135.00
        BXE,I02155                               10137.32 C2     010135.40
        SIC,SEN                                  1310.00 80      010136.00
              B,SERS                             1304.10 00      010136.40
I02155  KV,$X0,BIT24       -INDEX HI CONDITION,KV.  17356.00 90   010137.00
        SIC,SEN                                  1310.00 80      010137.40
              BXL,SERS                           1304.32 42      010140.00
        SIC,SEN                                  1310.00 80      010140.40
              BXE,SERS                           1304.32 C2      010141.00
        BXH,I02156                               10143.33 42     010141.40
        SIC,SEN                                  1310.00 80      010142.00
              B,SERS                             1304.10 00      010142.40
I02156  KVI,$X0,%8=0.0     -INDEX HI CONDITION,KVI.    0.01 04   010143.00
        SIC,SEN                                  1310.00 80      010143.40
              BXL,SERS                           1304.32 42      010144.00
        SIC,SEN                                  1310.00 80      010144.40
              BXE,SERS                           1304.32 C2      010145.00
        BXH,I02157                               10147.33 42     010145.40
        SIC,SEN                                  1310.00 80      010146.00
              B,SERS                             1304.10 00      010146.40
I02157  KV,$X0,BIT22       -INDEX LOW CONDITION,KV.  17354.00 90  010147.00
        SIC,SEN                                  1310.00 80      010147.40
              BXH,SERS                           1304.33 42      010150.00
        SIC,SEN                                  1310.00 80      010150.40
              BXE,SERS                           1304.32 C2      010151.00
        BXL,I02158                               10153.32 42     010151.40
        SIC,SEN                                  1310.00 80      010152.00
              B,SERS                             1304.10 00      010152.40
I02158  KVI,$X0,%8=0.40    -INDEX LOW CONDITION, KVI.    0.41 04  010153.00
        SIC,SEN                                  1310.00 80      010153.40
              BXH,SERS                           1304.33 42      010154.00
        SIC,SEN                                  1310.00 80      010154.40
              BXE,SERS                           1304.32 C2      010155.00
        BXL,I02159                               10157.32 42     010155.40
        SIC,SEN                                  1310.00 80      010156.00
              B,SERS                             1304.10 00      010156.40
I02159  B,$+1.0                                  10160.10 00     010157.00
        BD,I02154                                10131.44 00     010157.40
        SIC,SEN0+.32                             1311.40 80      010160.00
        B,SSW              -TO SSIP.             1301.10 00      010160.40
        BD,$+.32                                 10161.44 00     010161.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK.  10223.32 10  010161.40
        V+,$X13,BIT23                            17355.32 B0     010162.00
        SX,$X13,IC202                            10223.33 10     010162.40
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102160  SIC,I0010          -TEST BIT 24.          6526.00 80   010163.00
        B,I007                                    6523.10 00   010163.40
        LX,$X0,BIT24                             17356.00 10   010164.00
        KV,$X0,BIT24       -EQUAL CONDITION,KV.  17356.00 90   010164.40
        SIC,SEN                                   1310.00 80   010165.00
              BXL,SERS                            1304.32 42   010165.40
        SIC,SEN                                   1310.00 80   010166.00
              BXH,SERS                            1304.33 42   010166.40
        BXE,I02161                               10170.72 C2   010167.00
        SIC,SEN                                   1310.00 80   010167.40
              B,SERS                              1304.10 00   010170.00
102161  KVI,$X0,%8¤0.0     -EQUAL CONDITION,KVI.     0.01 04   010170.40
        SIC,SEN                                   1310.00 80   010171.00
              BXL,SERS                            1304.32 42   010171.40
        SIC,SEN                                   1310.00 80   010172.00
              BXH,SERS                            1304.33 42   010172.40
        BXE,I02162                               10174.72 C2   010173.00
        SIC,SEN                                   1310.00 80   010173.40
              B,SERS                              1304.10 00   010174.00
102162  KV,$X0,I000        -INDEX HI CONDITION,KV. 17307.00 90   010174.40
        SIC,SEN                                   1310.00 80   010175.00
              BXL,SERS                            1304.32 42   010175.40
        SIC,SEN                                   1310.00 80   010176.00
              BXE,SERS                            1304.32 C2   010176.40
        BXH,I02163                               10200.73 42   010177.00
        SIC,SEN                                   1310.00 80   010177.40
              B,SERS                              1304.10 00   010200.00
102163  KV,$X0,BIT23       -INDEX LOW CONDITION,KV. 17355.00 90  010200.40
        SIC,SEN                                   1310.00 80   010201.00
              BXH,SERS                            1304.33 42   010201.40
        SIC,SEN                                   1310.00 80   010202.00
              BXE,SERS                            1304.32 C2   010202.40
        BXL,I02164                               10204.72 42   010203.00
        SIC,SEN                                   1310.00 80   010203.40
              B,SERS                              1304.10 00   010204.00
102164  KVI,$X0,%8¤0.40    -INDEX LOW CONDITION, KVI.   0.41 04   010204.40
        SIC,SEN                                   1310.00 80   010205.00
              BXH,SERS                            1304.33 42   010205.40
        SIC,SEN                                   1310.00 80   010206.00
              BXE,SERS                            1304.32 C2   010206.40
        BXL,I02165                               10210.72 42   010207.00
        SIC,SEN                                   1310.00 80   010207.40
              B,SERS                              1304.10 00   010210.00
102165  B,$+1.0                                  10211.50 00   010210.40
        BD,I02160                                10163.04 00   010211.00
        SIC,SEN0+.32                              1311.40 80   010211.40
        B,SSW              -TO SSIP.              1301.10 00   010212.00
18      BD,$+.32                                 10213.04 00   010212.40

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10  010213.00
15      SC,$X13,$X12                                34.33 50   010213.40
        V+,$X12,BIT0                             17326.30 B0   010214.00
        IC,$X13,$X12                                34.32 50   010214.40
        SX,$X13,IC202                            10223.33 10   010215.00

        LX,$X13,IC202      -UPDATE CONTINUITY CHECK. 10223.32 10  010215.40
        KV,$X13,ICK202                           10224.32 90   010216.00
9       SIC,SEN                                   1310.00 80   010216.40
        BZXE,SERS          -CONTINUITY ERROR.     1304.32 C0   010217.00
        SC,$X13,$X13                                35.33 50   010217.40
        LX,$X12,ICK202                           10224.30 10   010220.00
        SC,$X12,$X12                                34.31 50   010220.40
        KV,$X13,$X12                                34.32 90   010221.00
        SIC,SEN                                   1310.00 80   010221.40
        BZXE,SERS          -CONTINUITY ERROR.     1304.32 C0   010222.00
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              B,I04                                                        10225.10 00                 010222.40

              CNOP
       IC202  XW,0,0,0            -CONTINUITY REG I202.                   0.00 00 000000.00 00         010223.00
       ICK202 XW,%8¤777777.77,%8¤400000,0                           777777.77 08 000000.00 00         010224.00
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                    ----1204---LX DATA,KC AND KCI CHECK,EXT MEM.
                    -
      I04     LX,$X1,I041D        -UPDATE IDENT                10230.02 10    010225.00
              SX,$X1,DPET13                                    1437.03 10    010225.40
              SIC,RET                                          1306.40 80    010226.00
              B,IDF1                                           1443.10 00    010226.40
              Z,IC204                                         11301.22 00    010227.00
              BD,I040                                          10232.04 00    010227.40
              CNOP
      I041D   %I0SZ¤DD%BU,64,8¤,1204    Z                                   010230.00
                                                    -
              SIC,I0010           -TEST BIT 28.                 6526.00 80    010231.00
              B,I007                                            6523.10 00    010231.40
      I040    LX,$X0,BIT28                                     17362.00 10    010232.00
              KC,$X0,BIT0         -EQUAL CONDITION, KC.        17326.01 90    010232.40
              SIC,SEN                                          1310.00 80    010233.00
                    BXH,SERS                                   1304.33 42    010233.40
              SIC,SEN                                          1310.00 80    010234.00
                    BXL,SERS                                   1304.32 42    010234.40
              BXE,I041                                         10236.72 C2    010235.00
              SIC,SEN                                          1310.00 80    010235.40
                    B,SERS                                     1304.10 00    010236.00
      I041    KCI,$X0,%8¤400000   -EQUAL CONDITION,KCI.       400000.01 0A    010236.40
              SIC,SEN                                          1310.00 80    010237.00
                    BXH,SERS                                   1304.33 42    010237.40
              SIC,SEN                                          1310.00 80    010240.00
                    BXL,SERS                                   1304.32 42    010240.40
              BXE,I042                                         10242.72 C2    010241.00
              SIC,SEN                                          1310.00 80    010241.40
                    B,SERS                                     1304.10 00    010242.00
      I042    KC,$X0,BIT1         -INDEX HIGH CONDITION, KC.   17327.01 90    010242.40
              SIC,SEN                                          1310.00 80    010243.00
                    BXE,SERS                                   1304.32 C2    010243.40
              SIC,SEN                                          1310.00 80    010244.00
                    BXL,SERS                                   1304.32 42    010244.40
              BXH,I043                                         10246.73 42    010245.00
              SIC,SEN                                          1310.00 80    010245.40
                    B,SERS                                     1304.10 00    010246.00
      I043    KCI,$X0,%8¤200000   -INDEX HIGH CONDITION KCI.  200000.01 0A    010246.40
              SIC,SEN                                          1310.00 80    010247.00
                    BXL,SERS                                   1304.32 42    010247.40
              SIC,SEN                                          1310.00 80    010250.00
                    BXE,SERS                                   1304.32 C2    010250.40
              BXH,I044                                         10252.73 42    010251.00
              SIC,SEN                                          1310.00 80    010251.40
                    B,SERS                                     1304.10 00    010252.00
      I044    KC,$X0,BIT24        -CHECK NO VALUE FLD USED,KC. 17356.01 90    010252.40
              SIC,SEN                                          1310.00 80    010253.00
                    BXL,SERS                                   1304.32 42    010253.40
              SIC,SEN                                          1310.00 80    010254.00
                    BXE,SERS                                   1304.32 C2    010254.40
              BXH,I045                                         10256.73 42    010255.00
              SIC,SEN                                          1310.00 80    010255.40
                    B,SERS                                     1304.10 00    010256.00
      I045    B,$+1,0                                          10257.50 00    010256.40
              BD,I040                                          10232.04 00    010257.00
              SIC,SEN0+,32                                     1311.40 80    010257.40
              B,SSW               -TO SSIP.                    1301.10 00    010260.00
              BD,$+,32                                         10261.04 00    010260.40
                                                    -
              LX,$X13,IC204       -UPDATE CONTINUITY CHECK.    11301.32 10    010261.00
              V+,$X13,BIT0                                     17326.32 B0    010261.40
              SX,$X13,IC204                                    11301.33 10    010262.00
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102170  SIC,10010          -TEST BIT 29.          6526.00 80   010262.40
        B,1007                                    6523.10 00   010263.00
        LX,$X0,BIT29                             17363.00 10   010263.40
        KC,$X0,BIT1        -EQUAL CONDITION, KC. 17327.01 90   010264.00
        SIC,SEN                                   1310.00 80   010264.40
              BXL,SERS                            1304.32 42   010265.00
        SIC,SEN                                   1310.00 80   010265.40
              BXH,SERS                            1304.33 42   010266.00
        BXE,102171                               10270.32 C2   010266.40
        SIC,SEN                                   1310.00 80   010267.00
              B,SERS                              1304.10 00   010267.40
102171  KCI,$X0,%8¤200000  -EQUAL CONDITION,KCI.  200000.01 0A   010270.00
        SIC,SEN                                   1310.00 80   010270.40
              BXL,SERS                            1304.32 42   010271.00
        SIC,SEN                                   1310.00 80   010271.40
              BXH,SERS                            1304.33 42   010272.00
        BXE,102172                               10274.32 C2   010272.40
        SIC,SEN                                   1310.00 80   010273.00
              B,SERS                              1304.10 00   010273.40
102172  KC,$X0,BIT2        -INDEX HIGH CONDITION, KC. 17330.01 90   010274.00
        SIC,SEN                                   1310.00 80   010274.40
              BXL,SERS                            1304.32 42   010275.00
        SIC,SEN                                   1310.00 80   010275.40
              BXE,SERS                            1304.32 C2   010276.00
        BXH,102173                               10300.33 42   010276.40
        SIC,SEN                                   1310.00 80   010277.00
              B,SERS                              1304.10 00   010277.40
102173  KCI,$X0,%8¤100000  -INDEX HI CONDITION,KCI. 100000.01 0A   010300.00
        SIC,SEN                                   1310.00 80   010300.40
              BXL,SERS                            1304.32 42   010301.00
        SIC,SEN                                   1310.00 80   010301.40
              BXE,SERS                            1304.32 C2   010302.00
        BXH,102174                               10304.33 42   010302.40
        SIC,SEN                                   1310.00 80   010303.00
              B,SERS                              1304.10 00   010303.40
102174  KC,$X0,BIT0        -INDEX LOW CONDITION, KC. 17326.01 90   010304.00
        SIC,SEN                                   1310.00 80   010304.40
              BXH,SERS                            1304.33 42   010305.00
        SIC,SEN                                   1310.00 80   010305.40
              BXE,SERS                            1304.32 C2   010306.00
        BXL,102175                               10310.32 42   010306.40
        SIC,SEN                                   1310.00 80   010307.00
              B,SERS                              1304.10 00   010307.40
102175  KCI,$X0,%8¤400000  -INDEX LOW CONDITION,KCI. 400000.01 0A   010310.00
        SIC,SEN                                   1310.00 80   010310.40
              BXH,SERS                            1304.33 42   010311.00
        SIC,SEN                                   1310.00 80   010311.40
              BXE,SERS                            1304.32 C2   010312.00
        BXL,102176                               10314.32 42   010312.40
        SIC,SEN                                   1310.00 80   010313.00
              B,SERS                              1304.10 00   010313.40
102176  B,$+1.0                                  10315.10 00   010314.00
        BD,102170                                10262.44 00   010314.40
        SIC,SEN0+.32                              1311.40 80   010315.00
        B,SSW              -TO SSIP.              1301.10 00   010315.40
        BD,$+.32                                 10316.44 00   010316.00

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   010316.40
        V+,$X13,BIT1                             17327.32 B0   010317.00
        SX,$X13,IC204                            11301.33 10   010317.40
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102177  SIC,10010               -TEST BIT 30.           6526.00 80      010320.00
        B,I007                                          6523.10 00      010320.40
        LX,$X0,BIT30                                    17364.00 10     010321.00
        KC,$X0,BIT2             -EQUAL CONDITION, KC.   17330.01 90     010321.40
        SIC,SEN                                         1310.00 80      010322.00
              BXL,SERS                                  1304.32 42      010322.40
        SIC,SEN                                         1310.00 80      010323.00
              BXH,SERS                                  1304.33 42      010323.40
        BXE,I02178                                      10325.72 C2     010324.00
        SIC,SEN                                         1310.00 80      010324.40
              B,SERS                                    1304.10 00      010325.00
102178  KCI,$X0,%8¤100000       -EQUAL CONDITION,KCI.   100000.01 0A    010325.40
        SIC,SEN                                         1310.00 80      010326.00
              BXL,SERS                                  1304.32 42      010326.40
        SIC,SEN                                         1310.00 80      010327.00
              BXH,SERS                                  1304.33 42      010327.40
        BXE,I02179                                      10331.72 C2     010330.00
        SIC,SEN                                         1310.00 80      010330.40
              B,SERS                                    1304.10 00      010331.00
I02179  KC,$X0,BIT3             -INDEX HIGH CONDITION, KC.  17331.01 90 010331.40
        SIC,SEN                                         1310.00 80      010332.00
              BXL,SERS                                  1304.32 42      010332.40
        SIC,SEN                                         1310.00 80      010333.00
              BXE,SERS                                  1304.32 C2      010333.40
        BXH,I02180                                      10335.73 42     010334.00
        SIC,SEN                                         1310.00 80      010334.40
              B,SERS                                    1304.10 00      010335.00
I02180  KCI,$X0,%8¤40000        -INDEX HI CONDITION,KCI.    40000.01 0A 010335.40
        SIC,SEN                                         1310.00 80      010336.00
              BXL,SERS                                  1304.32 42      010336.40
        SIC,SEN                                         1310.00 80      010337.00
              BXE,SERS                                  1304.32 C2      010337.40
        BXH,I02181                                      10341.73 42     010340.00
        SIC,SEN                                         1310.00 80      010340.40
              B,SERS                                    1304.10 00      010341.00
I02181  KC,$X0,BIT1             -INDEX LOW CONDITION, KC.   17327.01 90 010341.40
        SIC,SEN                                         1310.00 80      010342.00
              BXH,SERS                                  1304.33 42      010342.40
        SIC,SEN                                         1310.00 80      010343.00
              BXE,SERS                                  1304.32 C2      010343.40
        BXL,I02182                                      10345.72 42     010344.00
        SIC,SEN                                         1310.00 80      010344.40
              B,SERS                                    1304.10 00      010345.00
I02182  KCI,$X0,%8¤200000       -INDEX LOW CONDITION,KCI.   200000.01 0A 010345.40
        SIC,SEN                                         1310.00 80      010346.00
              BXH,SERS                                  1304.33 42      010346.40
        SIC,SEN                                         1310.00 80      010347.00
              BXE,SERS                                  1304.32 C2      010347.40
        BXL,I02183                                      10351.72 42     010350.00
        SIC,SEN                                         1310.00 80      010350.40
              B,SERS                                    1304.10 00      010351.00
I02183  B,$+1.0                                         10352.50 00     010351.40
        BD,I02177                                       143620.44 00    010352.00
        SIC,SEN0+.32                                    1311.40 80      010352.40
        B,SSW                   -TO SSIP.               1301.10 00      010353.00
        BD,$+.32                                        10354.04 00     010353.40

        LX,$X13,IC204           -UPDATE CONTINUITY CHECK.   11301.32 10 010354.00
        V+,$X13,BIT2                                    17330.32 B0     010354.40
        SX,$X13,IC204                                   11301.33 10     010355.00
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102184  SIC,10010          -TEST BIT 31.          6526.00 80   010355.40
        B,1007                                    6523.10 00   010356.00
        LX,$X0,BIT31                             17365.00 10   010356.40
        KC,$X0,BIT3        -EQUAL CONDITION, KC. 17331.01 90   010357.00
        SIC,SEN                                   1310.00 80   010357.40
                BXL,SERS                          1304.32 42   010360.00
        SIC,SEN                                   1310.00 80   010360.40
                BXH,SERS                          1304.33 42   010361.00
        BXE,102185                               10363.32 C2   010361.40
        SIC,SEN                                   1310.00 80   010362.00
                B,SERS                            1304.10 00   010362.40
102185  KCI,$X0,%8¤40000   -EQUAL CONDITION,KCI.  40000.01 0A   010363.00
        SIC,SEN                                   1310.00 80   010363.40
                BXL,SERS                          1304.32 42   010364.00
        SIC,SEN                                   1310.00 80   010364.40
                BXH,SERS                          1304.33 42   010365.00
        BXE,102186                               10367.32 C2   010365.40
        SIC,SEN                                   1310.00 80   010366.00
                B,SERS                            1304.10 00   010366.40
102186  KC,$X0,BIT4        -INDEX HIGH CONDITION, KC. 17332.01 90   010367.00
        SIC,SEN                                   1310.00 80   010367.40
                BXL,SERS                          1304.32 42   010370.00
        SIC,SEN                                   1310.00 80   010370.40
                BXE,SERS                          1304.32 C2   010371.00
        BXH,102187                               10373.33 42   010371.40
        SIC,SEN                                   1310.00 80   010372.00
                B,SERS                            1304.10 00   010372.40
102187  KCI,$X0,%8¤20000   -INDEX HI CONDITION,KCI. 20000.01 0A   010373.00
        SIC,SEN                                   1310.00 80   010373.40
                BXL,SERS                          1304.32 42   010374.00
        SIC,SEN                                   1310.00 80   010374.40
                BXE,SERS                          1304.32 C2   010375.00
        BXH,102188                               10377.33 42   010375.40
        SIC,SEN                                   1310.00 80   010376.00
                B,SERS                            1304.10 00   010376.40
102188  KC,$X0,BIT2        -INDEX LOW CONDITION, KC. 17330.01 90   010377.00
        SIC,SEN                                   1310.00 80   010377.40
                BXH,SERS                          1304.33 42   010400.00
        SIC,SEN                                   1310.00 80   010400.40
                BXE,SERS                          1304.32 C2   010401.00
        BXL,102189                               10403.32 42   010401.40
        SIC,SEN                                   1310.00 80   010402.00
                B,SERS                            1304.10 00   010402.40
102189  KCI,$X0,%8¤100000  -INDEX LOW CONDITION,KCI. 100000.01 0A   010403.00
        SIC,SEN                                   1310.00 80   010403.40
                BXH,SERS                          1304.33 42   010404.00
        SIC,SEN                                   1310.00 80   010404.40
                BXE,SERS                          1304.32 C2   010405.00
        BXL,102190                               10407.32 42   010405.40
        SIC,SEN                                   1310.00 80   010406.00
                B,SERS                            1304.10 00   010406.40
102190  B,$+1.0                                  10410.10 00   010407.00
        BD,102184                                10355.44 00   010407.40
        SIC,SEN0+.32                              1311.40 80   010410.00
        B,SSW              -TO SSIP.              1301.10 00   010410.40
        BD,$+.32                                 10411.44 00   010411.00

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   010411.40
        V+,$X13,BIT3                             17331.32 B0   010412.00
        SX,$X13,IC204                            11301.33 10   010412.40
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102191  SIC,10010          -TEST BIT 32.          6526.00 80   010413.00
        B,1007                                    6523.10 00   010413.40
        LX,$X0,BIT32                             17366.00 10   010414.00
        KC,$X0,BIT4        -EQUAL CONDITION, KC. 17332.01 90   010414.40
        SIC,SEN                                   1310.00 80   010415.00
              BXL,SERS                            1304.32 42   010415.40
        SIC,SEN                                   1310.00 80   010416.00
              BXH,SERS                            1304.33 42   010416.40
        BXE,102192                               10420.72 C2   010417.00
        SIC,SEN                                   1310.00 80   010417.40
              B,SERS                              1304.10 00   010420.00
102192  KCI,$X0,%8¤20000   -EQUAL CONDITION,KCI.  20000.01 0A   010420.40
        SIC,SEN                                   1310.00 80   010421.00
              BXL,SERS                            1304.32 42   010421.40
        SIC,SEN                                   1310.00 80   010422.00
              BXH,SERS                            1304.33 42   010422.40
        BXE,102193                               10424.72 C2   010423.00
        SIC,SEN                                   1310.00 80   010423.40
              B,SERS                              1304.10 00   010424.00
102193  KC,$X0,BIT5        -INDEX HIGH CONDITION, KC. 17333.01 90   010424.40
        SIC,SEN                                   1310.00 80   010425.00
              BXL,SERS                            1304.32 42   010425.40
        SIC,SEN                                   1310.00 80   010426.00
              BXE,SERS                            1304.32 C2   010426.40
        BXH,102194                               10430.73 42   010427.00
        SIC,SEN                                   1310.00 80   010427.40
              B,SERS                              1304.10 00   010430.00
102194  KCI,$X0,%8¤10000   -INDEX HI CONDITION,KCI. 10000.01 0A   010430.40
        SIC,SEN                                   1310.00 80   010431.00
              BXL,SERS                            1304.32 42   010431.40
        SIC,SEN                                   1310.00 80   010432.00
              BXE,SERS                            1304.32 C2   010432.40
        BXH,102195                               10434.73 42   010433.00
        SIC,SEN                                   1310.00 80   010433.40
              B,SERS                              1304.10 00   010434.00
102195  KC,$X0,BIT3        -INDEX LOW CONDITION, KC. 17331.01 90   010434.40
        SIC,SEN                                   1310.00 80   010435.00
              BXH,SERS                            1304.33 42   010435.40
        SIC,SEN                                   1310.00 80   010436.00
              BXE,SERS                            1304.32 C2   010436.40
        BXL,102196                               10440.72 42   010437.00
        SIC,SEN                                   1310.00 80   010437.40
              B,SERS                              1304.10 00   010440.00
102196  KCI,$X0,%8¤40000   -INDEX LOW CONDITION,KCI. 40000.01 0A   010440.40
        SIC,SEN                                   1310.00 80   010441.00
              BXH,SERS                            1304.33 42   010441.40
        SIC,SEN                                   1310.00 80   010442.00
              BXE,SERS                            1304.32 C2   010442.40
        BXL,102197                               10444.72 42   010443.00
        SIC,SEN                                   1310.00 80   010443.40
              B,SERS                              1304.10 00   010444.00
102197  B,$+1.0                                  10445.50 00   010444.40
        BD,102191                                10413.04 00   010445.00
        SIC,SEN0+.32                              1311.40 30   010445.40
        B,SSW              -TO SSIP.              1301.10 00   010446.00
        BD,$+.32                                 10447.04 00   010446.40

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   010447.00
        V+,$X13,BIT4                             17332.32 B0   010447.40
        SX,$X13,IC204                            11301.33 10   010450.00
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102198  SIC,10010          -TEST BIT 33.          6526.00 80   010450.40
        B,1007                                    6523.10 00   010451.00
        LX,$X0,BIT33                             17367.00 10   010451.40
        KC,$X0,BIT5        -EQUAL CONDITION, KC. 17333.01 90   010452.00
        SIC,SEN                                  1310.00 80   010452.40
              BXL,SERS                           1304.32 42   010453.00
        SIC,SEN                                  1310.00 80   010453.40
              BXH,SERS                           1304.33 42   010454.00
        BXE,102199                               10456.32 C2  010454.40
        SIC,SEN                                  1310.00 80   010455.00
              B,SERS                             1304.10 00   010455.40
102199  KCI,$X0,%8¤10000   -EQUAL CONDITION,KCI. 10000.01 0A   010456.00
        SIC,SEN                                  1310.00 80   010456.40
              BXL,SERS                           1304.32 42   010457.00
        SIC,SEN                                  1310.00 80   010457.40
              BXH,SERS                           1304.33 42   010460.00
        BXE,102200                               10462.32 C2  010460.40
        SIC,SEN                                  1310.00 80   010461.00
              B,SERS                             1304.10 00   010461.40
102200  KC,$X0,BIT6        -INDEX HIGH CONDITION, KC. 17334.01 90   010462.00
        SIC,SEN                                  1310.00 80   010462.40
              BXL,SERS                           1304.32 42   010463.00
        SIC,SEN                                  1310.00 80   010463.40
              BXE,SERS                           1304.32 C2   010464.00
        BXH,102201                               10466.33 42  010464.40
        SIC,SEN                                  1310.00 80   010465.00
              B,SERS                             1304.10 00   010465.40
102201  KCI,$X0,%8¤4000    -INDEX HI CONDITION,KCI. 4000.01 0A   010466.00
        SIC,SEN                                  1310.00 80   010466.40
              BXL,SERS                           1304.32 42   010467.00
        SIC,SEN                                  1310.00 80   010467.40
              BXE,SERS                           1304.32 C2   010470.00
        BXH,102202                               10472.33 42  010470.40
        SIC,SEN                                  1310.00 80   010471.00
              B,SERS                             1304.10 00   010471.40
102202  KC,$X0,BIT4        -INDEX LOW CONDITION, KC. 17332.01 90   010472.00
        SIC,SEN                                  1310.00 80   010472.40
              BXH,SERS                           1304.33 42   010473.00
        SIC,SEN                                  1310.00 80   010473.40
              BXE,SERS                           1304.32 C2   010474.00
        BXL,102203                               10476.32 42  010474.40
        SIC,SEN                                  1310.00 80   010475.00
              B,SERS                             1304.10 00   010475.40
102203  KCI,$X0,%8¤20000   -INDEX LOW CONDITION,KCI. 20000.01 0A   010476.00
        SIC,SEN                                  1310.00 80   010476.40
              BXH,SERS                           1304.33 42   010477.00
        SIC,SEN                                  1310.00 80   010477.40
              BXE,SERS                           1304.32 C2   010500.00
        BXL,102204                               10502.32 42  010500.40
        SIC,SEN                                  1310.00 80   010501.00
              B,SERS                             1304.10 00   010501.40
102204  B,$+1.0                                  10503.10 00  010502.00
        BD,102198                                10450.44 00  010502.40
        SIC,SEN0+.32                             1311.40 80   010503.00
        B,SSW              -TO SSIP.             1301.10 00   010503.40
        BD,$+.32                                 10504.44 00  010504.00

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   010504.40
        V+,$X13,BIT5                             17333.32 B0  010505.00
        SX,$X13,IC204                            11301.33 10  010505.40
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102205  SIC,10010          -TEST BIT 34.          6526.00 80   010506.00
        B,1007                                    6523.10 00   010506.40
        LX,$X0,BIT34                             17370.00 10   010507.00
        KC,$X0,BIT6        -EQUAL CONDITION, KC. 17334.01 90   010507.40
        SIC,SEN                                   1310.00 80   010510.00
              BXL,SERS                            1304.32 42   010510.40
        SIC,SEN                                   1310.00 80   010511.00
              BXH,SERS                            1304.33 42   010511.40
        BXE,102206                               10513.72 C2   010512.00
        SIC,SEN                                   1310.00 80   010512.40
              B,SERS                              1304.10 00   010513.00
102206  KCI,$X0,%8□4000    -EQUAL CONDITION,KCI.  4000.01 0A   010513.40
        SIC,SEN                                   1310.00 80   010514.00
              BXL,SERS                            1304.32 42   010514.40
        SIC,SEN                                   1310.00 80   010515.00
              BXH,SERS                            1304.33 42   010515.40
        BXE,102207                               10517.72 C2   010516.00
        SIC,SEN                                   1310.00 80   010516.40
              B,SERS                              1304.10 00   010517.00
102207  KC,$X0,BIT7        -INDEX HIGH CONDITION, KC. 17335.01 90   010517.40
        SIC,SEN                                   1310.00 80   010520.00
              BXL,SERS                            1304.32 42   010520.40
        SIC,SEN                                   1310.00 80   010521.00
              BXE,SERS                            1304.32 C2   010521.40
        BXH,102208                               10523.73 42   010522.00
        SIC,SEN                                   1310.00 80   010522.40
              B,SERS                              1304.10 00   010523.00
102208  KCI,$X0,%8□2000    -INDEX HI CONDITION,KCI. 2000.01 0A   010523.40
        SIC,SEN                                   1310.00 80   010524.00
              BXL,SERS                            1304.32 42   010524.40
        SIC,SEN                                   1310.00 80   010525.00
              BXE,SERS                            1304.32 C2   010525.40
        BXH,102209                               10527.73 42   010526.00
        SIC,SEN                                   1310.00 80   010526.40
              B,SERS                              1304.10 00   010527.00
102209  KC,$X0,BIT5        -INDEX LOW CONDITION, KC. 17333.01 90   010527.40
        SIC,SEN                                   1310.00 80   010530.00
              BXH,SERS                            1304.33 42   010530.40
        SIC,SEN                                   1310.00 80   010531.00
              BXE,SERS                            1304.32 C2   010531.40
        BXL,102210                               10533.72 42   010532.00
        SIC,SEN                                   1310.00 80   010532.40
              B,SERS                              1304.10 00   010533.00
102210  KCI,$X0,%8□10000   -INDEX LOW CONDITION,KCI. 10000.01 0A   010533.40
        SIC,SEN                                   1310.00 00   010534.00
              BXH,SERS                            1304.33 42   010534.40
        SIC,SEN                                   1310.00 80   010535.00
              BXE,SERS                            1304.32 C2   010535.40
        BXL,102211                               10537.72 42   010536.00
        SIC,SEN                                   1310.00 80   010536.40
              B,SERS                              1304.10 00   010537.00
102211  B,$+1.0                                  10540.50 00   010537.40
        BD,102205                                10506.04 00   010540.00
        SIC,SEN0+.32                              1311.40 80   010540.40
        B,SSW              -TO SSIP.              1301.10 00   010541.00
        BD,$+.32                                 10542.04 00   010541.40

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   010542.00
        V+,$X13,BIT6                             17334.32 B0   010542.40
        SX,$X13,IC204                            11301.33 10   010543.00
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102212  SIC,100010          -TEST BIT 35.                6526.00 80   010543.40
        B,1007                                           6523.10 00   010544.00
        LX,$X0,BIT35                                    17371.00 10   010544.40
        KC,$X0,BIT7         -EQUAL CONDITION, KC.       17335.01 90   010545.00
        SIC,SEN                                          1310.00 80   010545.40
              BXL,SERS                                   1304.32 42   010546.00
        SIC,SEN                                          1310.00 80   010546.40
              BXH,SERS                                   1304.33 42   010547.00
        BXE,102213                                      10551.32 C2   010547.40
        SIC,SEN                                          1310.00 80   010550.00
              B,SERS                                     1304.10 00   010550.40
102213  KCI,$X0,%8=2000     -EQUAL CONDITION,KCI.        2000.01 0A   010551.00
        SIC,SEN                                          1310.00 80   010551.40
              BXL,SERS                                   1304.32 42   010552.00
        SIC,SEN                                          1310.00 80   010552.40
              BXH,SERS                                   1304.33 42   010553.00
        BXE,102214                                      10555.32 C2   010553.40
        SIC,SEN                                          1310.00 80   010554.00
              B,SERS                                     1304.10 00   010554.40
102214  KC,$X0,BIT8         -INDEX HIGH CONDITION, KC.  17336.01 90   010555.00
        SIC,SEN                                          1310.00 80   010555.40
              BXL,SERS                                   1304.32 42   010556.00
        SIC,SEN                                          1310.00 80   010556.40
              BXE,SERS                                   1304.32 C2   010557.00
        BXH,102215                                      10561.33 42   010557.40
        SIC,SEN                                          1310.00 80   010560.00
              B,SERS                                     1304.10 00   010560.40
102215  KCI,$X0,%8=1000     -INDEX HI CONDITION,KCI.     1000.01 0A   010561.00
        SIC,SEN                                          1310.00 80   010561.40
              BXL,SERS                                   1304.32 42   010562.00
        SIC,SEN                                          1310.00 80   010562.40
              BXE,SERS                                   1304.32 C2   010563.00
        BXH,102216                                      10565.33 42   010563.40
        SIC,SEN                                          1310.00 80   010564.00
              B,SERS                                     1304.10 00   010564.40
102216  KC,$X0,BIT6         -INDEX LOW CONDITION, KC.   17334.01 90   010565.00
        SIC,SEN                                          1310.00 80   010565.40
              BXH,SERS                                   1304.33 42   010566.00
        SIC,SEN                                          1310.00 80   010566.40
              BXE,SERS                                   1304.32 C2   010567.00
        BXL,102217                                      10571.32 42   010567.40
        SIC,SEN                                          1310.00 80   010570.00
              B,SERS                                     1304.10 00   010570.40
102217  KCI,$X0,%8=4000     -INDEX LOW CONDITION,KCI.    4000.01 0A   010571.00
        SIC,SEN                                          1310.00 80   010571.40
              BXH,SERS                                   1304.33 42   010572.00
        SIC,SEN                                          1310.00 80   010572.40
              BXE,SERS                                   1304.32 C2   010573.00
        BXL,102218                                      10575.32 42   010573.40
        SIC,SEN                                          1310.00 80   010574.00
              B,SERS                                     1304.10 00   010574.40
102218  B,$+1.0                                         10576.10 00   010575.00
        BD,102212                                       10543.44 00   010575.40
        SIC,SEN0+.32                                     1311.40 80   010576.00
        B,SSW               -TO SSIP.                    1301.10 00   010576.40
        BD,$+.32                                        10577.44 00   010577.00

        LX,$X13,IC204       -UPDATE CONTINUITY CHECK.   11301.32 10   010577.40
        V+,$X13,BIT7                                    17335.32 B0   010600.00
        SX,$X13,IC204                                   11301.33 10   010600.40
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102219  SIC,10010          -TEST BIT 36.          6526.00 80   010601.00
        B,1007                                    6523.10 00   010601.40
        LX,$X0,BIT36                             17372.00 10   010602.00
        KC,$X0,BIT8        -EQUAL CONDITION, KC.  17336.01 90   010602.40
        SIC,SEN                                   1310.00 80   010603.00
                BXL,SERS                          1304.32 42   010603.40
        SIC,SEN                                   1310.00 80   010604.00
                BXH,SERS                          1304.33 42   010604.40
        BXE,102220                               10606.72 C2   010605.00
        SIC,SEN                                   1310.00 80   010605.40
                B,SERS                            1304.10 00   010606.00
102220  KCI,$X0,%8¤1000    -EQUAL CONDITION,KCI.  1000.01 0A   010606.40
        SIC,SEN                                   1310.00 80   010607.00
                BXL,SERS                          1304.32 42   010607.40
        SIC,SEN                                   1310.00 80   010610.00
                BXH,SERS                          1304.33 42   010610.40
        BXE,102221                               10612.72 C2   010611.00
        SIC,SEN                                   1310.00 80   010611.40
                B,SERS                            1304.10 00   010612.00
102221  KC,$X0,BIT9        -INDEX HIGH CONDITION, KC. 17337.01 90   010612.40
        SIC,SEN                                   1310.00 80   010613.00
                BXL,SERS                          1304.32 42   010613.40
        SIC,SEN                                   1310.00 80   010614.00
                BXE,SERS                          1304.32 C2   010614.40
        BXH,102222                               10616.73 42   010615.00
        SIC,SEN                                   1310.00 80   010615.40
                B,SERS                            1304.10 00   010616.00
102222  KCI,$X0,%8¤400     -INDEX HI CONDITION,KCI.   400.01 0A   010616.40
        SIC,SEN                                   1310.00 80   010617.00
                BXL,SERS                          1304.32 42   010617.40
        SIC,SEN                                   1310.00 80   010620.00
                BXE,SERS                          1304.32 C2   010620.40
        BXH,102223                               10622.73 42   010621.00
        SIC,SEN                                   1310.00 80   010621.40
                B,SERS                            1304.10 00   010622.00
102223  KC,$X0,BIT7        -INDEX LOW CONDITION, KC. 17335.01 90   010622.40
        SIC,SEN                                   1310.00 80   010623.00
                BXH,SERS                          1304.33 42   010623.40
        SIC,SEN                                   1310.00 80   010624.00
                BXE,SERS                          1304.32 C2   010624.40
        BXL,102224                               10626.72 42   010625.00
        SIC,SEN                                   1310.00 80   010625.40
                B,SERS                            1304.10 00   010626.00
102224  KCI,$X0,%8¤2000    -INDEX LOW CONDITION,KCI.  2000.01 0A   010626.40
        SIC,SEN                                   1310.00 80   010627.00
                BXH,SERS                          1304.33 42   010627.40
        SIC,SEN                                   1310.00 80   010630.00
                BXE,SERS                          1304.32 C2   010630.40
        BXL,102225                               10632.72 42   010631.00
        SIC,SEN                                   1310.00 80   010631.40
                B,SERS                            1304.10 00   010632.00
102225  B,$+1.0                                  10633.50 00   010632.40
        BD,102219                                10601.04 00   010633.00
        SIC,SEN0+.32                              1311.40 80   010633.40
        B,SSW              -TO SSIP.              1301.10 00   010634.00
        BD,$+.32                                 10635.04 00   010634.40

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   010635.00
        V+,$X13,BIT8                             17336.32 80   010635.40
        SX,$X13,IC204                            11301.33 10   010636.00
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102226  SIC,10010          -TEST BIT 37.          6526.00 80    010636.40
        B,1007                                    6523.10 00    010637.00
        LX,SX0,BIT37                             17373.00 10    010637.40
        KC,SX0,BIT9        -EQUAL CONDITION, KC. 17337.01 90    010640.00
        SIC,SEN                                   1310.00 80    010640.40
              BXL,SERS                            1304.32 42    010641.00
        SIC,SEN                                   1310.00 80    010641.40
              BXH,SERS                            1304.33 42    010642.00
        BXE,102227                               10644.32 C2    010642.40
        SIC,SEN                                   1310.00 80    010643.00
              B,SERS                              1304.10 00    010643.40
102227  KC1,SX0,%8=400     -EQUAL CONDITION,KC1.   400.01 0A    010644.00
        SIC,SEN                                   1310.00 80    010644.40
              BXL,SERS                            1304.32 42    010645.00
        SIC,SEN                                   1310.00 80    010645.40
              BXH,SERS                            1304.33 42    010646.00
        BXE,102228                               10650.32 C2    010646.40
        SIC,SEN                                   1310.00 80    010647.00
              B,SERS                              1304.10 00    010647.40
102228  KC,SX0,BIT10       -INDEX HIGH CONDITION, KC. 17340.01 90    010650.00
        SIC,SEN                                   1310.00 80    010650.40
              BXL,SERS                            1304.32 42    010651.00
        SIC,SEN                                   1310.00 80    010651.40
              BXE,SERS                            1304.32 C2    010652.00
        BXH,102229                               10654.33 42    010652.40
        SIC,SEN                                   1310.00 80    010653.00
              B,SERS                              1304.10 00    010653.40
102229  KC1,SX0,%8=200     -INDEX HI CONDITION,KC1.  200.01 0A    010654.00
        SIC,SEN                                   1310.00 80    010654.40
              BXL,SERS                            1304.32 42    010655.00
        SIC,SEN                                   1310.00 80    010655.40
              BXE,SERS                            1304.32 C2    010656.00
        BXH,102230                               10660.33 42    010656.40
        SIC,SEN                                   1310.00 80    010657.00
              B,SERS                              1304.10 00    010657.40
102230  KC,SX0,BIT8        -INDEX LOW CONDITION, KC. 17336.01 90    010660.00
        SIC,SEN                                   1310.00 80    010660.40
              BXH,SERS                            1304.33 42    010661.00
        SIC,SEN                                   1310.00 80    010661.40
              BXE,SERS                            1304.32 C2    010662.00
        BXL,102231                               10664.32 42    010662.40
        SIC,SEN                                   1310.00 80    010663.00
              B,SERS                              1304.10 00    010663.40
102231  KC1,SX0,%8=1000    -INDEX LOW CONDITION,KC1. 1000.01 0A    010664.00
        SIC,SEN                                   1310.00 80    010664.40
              BXH,SERS                            1304.33 42    010665.00
        SIC,SEN                                   1310.00 80    010665.40
              BXE,SERS                            1304.32 C2    010666.00
        BXL,102232                               10670.32 42    010666.40
        SIC,SEN                                   1310.00 80    010667.00
              B,SERS                              1304.10 00    010667.40
102232  B,S+1.0                                  10671.10 00    010670.00
        BD,102226                                10636.44 00    010670.40
        SIC,SEN04.32                              1321.40 80    010671.00
        B,[illegible]      -TO SSIP.              1301.10 00    010671.40
        BD,04.32                                 10672.44 00    010672.00

        LX,SX13,1C804      -UPDATE CONTINUITY CHECK. 11301.32 10    010672.40
        V+,SX13,BIT9                             17337.32 80    010673.00
        SX,SX13,1C204                            11301.33 10    010673.40
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                BXH,SERS                                    1304.33 42      010661.00
        SIC,SEN                                             1310.00 80      010661.40
                BXE,SERS                                    1304.32 C2      010662.00
        BXL,I02231                                          10664.32 42     010662.40
        SIC,SEN                                             1310.00 80      010663.00
                B,SERS                                      1304.10 00      010663.40
I02231  KCI,$X0,%8¤1000     -INDEX LOW CONDITION,KCI.       1000.01 0A      010664.00
        SIC,SEN                                             1310.00 80      010664.40
                BXH,SERS                                    1304.33 42      010665.00
        SIC,SEN                                             1310.00 80      010665.40
                BXE,SERS                                    1304.32 C2      010666.00
        BXL,I02232                                          10670.32 42     010666.40
        SIC,SEN                                             1310.00 80      010667.00
                B,SERS                                      1304.10 00      010667.40
I02232  B,$+1.0                                             10671.10 00     010670.00
        BD,I02226                                           10636.44 00     010670.40
        SIC,SEN0+.32                                        1311.40 80      010671.00
        B,SSW               -TO SSIP.                       1301.10 00      010671.40
        BD,$+.32                                            10672.44 00     010672.00

        LX,$X13,IC204       -UPDATE CONTINUITY CHECK.       11301.32 10     010672.40
        V+,$X13,BIT9                                        17337.32 B0     010673.00
        SX,$X13,IC204                                       11301.33 10     010673.40
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102233  SIC,10010          -TEST BIT 38.          6526.00 80   010674.00
        B,1007                                    6523.10 00   010674.40
        LX,$X0,BIT38                             17374.00 10   010675.00
        KC,$X0,BIT10       -EQUAL CONDITION, KC. 17340.01 90   010675.40
        SIC,SEN                                   1310.00 80   010676.00
              BXL,SERS                            1304.32 42   010676.40
        SIC,SEN                                   1310.00 80   010677.00
              BXH,SERS                            1304.33 42   010677.40
        BXE,102234                               10701.72 C2   010700.00
        SIC,SEN                                   1310.00 80   010700.40
              B,SERS                              1304.10 00   010701.00
102234  KCI,$X0,%8¤200     -EQUAL CONDITION,KCI.   200.01 0A   010701.40
        SIC,SEN                                   1310.00 80   010702.00
              BXL,SERS                            1304.32 42   010702.40
        SIC,SEN                                   1310.00 80   010703.00
              BXH,SERS                            1304.33 42   010703.40
        BXE,102235                               10705.72 C2   010704.00
        SIC,SEN                                   1310.00 80   010704.40
              B,SERS                              1304.10 00   010705.00
102235  KC,$X0,BIT11       -INDEX HIGH CONDITION, KC. 17341.01 90   010705.40
        SIC,SEN                                   1310.00 80   010706.00
              BXL,SERS                            1304.32 42   010706.40
        SIC,SEN                                   1310.00 80   010707.00
              BXE,SERS                            1304.32 C2   010707.40
        BXH,102236                               10711.73 42   010710.00
        SIC,SEN                                   1310.00 80   010710.40
              B,SERS                              1304.10 00   010711.00
102236  KCI,$X0,%8¤100     -INDEX HI CONDITION,KCI. 100.01 0A   010711.40
        SIC,SEN                                   1310.00 80   010712.00
              BXL,SERS                            1304.32 42   010712.40
        SIC,SEN                                   1310.00 80   010713.00
              BXE,SERS                            1304.32 C2   010713.40
        BXH,102237                               10715.73 42   010714.00
        SIC,SEN                                   1310.00 80   010714.40
              B,SERS                              1304.10 00   010715.00
102237  KC,$X0,BIT9        -INDEX LOW CONDITION, KC. 17337.01 90   010715.40
        SIC,SEN                                   1310.00 80   010716.00
              BXH,SERS                            1304.33 42   010716.40
        SIC,SEN                                   1310.00 80   010717.00
              BXE,SERS                            1304.32 C2   010717.40
        BXL,102238                               10721.72 42   010720.00
        SIC,SEN                                   1310.00 80   010720.40
              B,SERS                              1304.10 00   010721.00
102238  KCI,$X0,%8¤400     -INDEX LOW CONDITION,KCI. 400.01 0A   010721.40
        SIC,SEN                                   1310.00 80   010722.00
              BXH,SERS                            1304.33 42   010722.40
        SIC,SEN                                   1310.00 80   010723.00
              BXE,SERS                            1304.32 C2   010723.40
        BXL,102239                               10725.72 42   010724.00
        SIC,SEN                                   1310.00 80   010724.40
              B,SERS                              1304.10 00   010725.00
102239  B,$+1.0                                  10726.50 00   010725.40
        BD,102233                                10674.04 00   010726.00
        SIC,SEN0+.32                              1311.40 80   010726.40
        B,SSW              -TO SSIP.              1301.10 00   010727.00
        BD,$+.32                                 10730.04 00   010727.40

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   010730.00
        V+,$X13,BIT10                            17340.32 B0   010730.40
        SX,$X13,IC204                            11301.33 10   010731.00
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102240  SIC,10010          -TEST BIT 39.          6526.00 80    010731.40
        B,1007                                    6523.10 00    010732.00
        LX,$X0,BIT39                             17375.00 10    010732.40
        KC,$X0,BIT11       -EQUAL CONDITION, KC. 17341.01 90    010733.00
        SIC,SEN                                   1310.00 80    010733.40
              BXL,SERS                            1304.32 42    010734.00
        SIC,SEN                                   1310.00 80    010734.40
              BXH,SERS                            1304.33 42    010735.00
        BXE,102241                               10737.32 C2    010735.40
        SIC,SEN                                   1310.00 80    010736.00
              B,SERS                              1304.10 00    010736.40
102241  KC1,$X0,%8¤100     -EQUAL CONDITION,KC1.   100.01 0A    010737.00
        SIC,SEN                                   1310.00 80    010737.40
              BXL,SERS                            1304.32 42    010740.00
        SIC,SEN                                   1310.00 80    010740.40
              BXH,SERS                            1304.33 42    010741.00
        BXE,102242                               10743.32 C2    010741.40
        SIC,SEN                                   1310.00 80    010742.00
              B,SERS                              1304.10 00    010742.40
102242  KC,$X0,BIT12       -INDEX HIGH CONDITION, KC. 17342.01 90    010743.00
        SIC,SEN                                   1310.00 80    010743.40
              BXL,SERS                            1304.32 42    010744.00
        SIC,SEN                                   1310.00 80    010744.40
              BXE,SERS                            1304.32 C2    010745.00
        BXH,102243                               10747.33 42    010745.40
        SIC,SEN                                   1310.00 80    010746.00
              B,SERS                              1304.10 00    010746.40
102243  KC1,$X0,%8¤40      -INDEX HI CONDITION,KC1.  40.01 0A    010747.00
        SIC,SEN                                   1310.00 80    010747.40
              BXL,SERS                            1304.32 42    010750.00
        SIC,SEN                                   1310.00 80    010750.40
              BXE,SERS                            1304.32 C2    010751.00
        BXH,102244                               10753.33 42    010751.40
        SIC,SEN                                   1310.00 80    010752.00
              B,SERS                              1304.10 00    010752.40
102244  KC,$X0,BIT10       -INDEX LOW CONDITION, KC. 17340.01 90    010753.00
        SIC,SEN                                   1310.00 80    010753.40
              BXH,SERS                            1304.33 42    010754.00
        SIC,SEN                                   1310.00 80    010754.40
              BXE,SERS                            1304.32 C2    010755.00
        BXL,102245                               10757.32 42    010755.40
        SIC,SEN                                   1310.00 80    010756.00
              B,SERS                              1304.10 00    010756.40
102245  KC1,$X0,%8¤200     -INDEX LOW CONDITION,KC1. 200.01 0A    010757.00
        SIC,SEN                                   1310.00 80    010757.40
              BXH,SERS                            1304.33 42    010760.00
        SIC,SEN                                   1310.00 80    010760.40
              BXE,SERS                            1304.32 C2    010761.00
        BXL,102246                               10763.32 42    010761.40
        SIC,SEN                                   1310.00 80    010762.00
              B,SERS                              1304.10 00    010762.40
102246  B,$+1.0                                  10764.10 00    010763.00
        BD,102240                                10731.44 00    010763.40
        SIC,SEN0+.32                              1311.40 80    010764.00
        B,SSW              -TO SSIP.              1301.10 00    010764.40
        BD,$+.32                                 10765.44 00    010765.00

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10    010765.40
        V+,$X13,BIT11                            17341.32 B0    010766.00
        SX,$X13,IC204                            11301.33 10    010766.40
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102247  SIC,10010          -TEST BIT 40.          6526.00 80    010767.00
        B,1007                                    6523.10 00    010767.40
        LX,$X0,BIT40                             17376.00 10    010770.00
        KC,$X0,BIT12       -EQUAL CONDITION, KC. 17342.01 90    010770.40
        SIC,SEN                                   1310.00 80    010771.00
              BXL,SERS                            1304.32 42    010771.40
        SIC,SEN                                   1310.00 80    010772.00
              BXH,SERS                            1304.33 42    010772.40
        BXE,102248                               10774.72 C2    010773.00
        SIC,SEN                                   1310.00 80    010773.40
              B,SERS                              1304.10 00    010774.00
102248  KCI,$X0,%8¤40      -EQUAL CONDITION,KCI.    40.01 0A    010774.40
        SIC,SEN                                   1310.00 80    010775.00
              BXL,SERS                            1304.32 42    010775.40
        SIC,SEN                                   1310.00 80    010776.00
              BXH,SERS                            1304.33 42    010776.40
        BXE,102249                               11000.72 C2    010777.00
        SIC,SEN                                   1310.00 80    010777.40
              B,SERS                              1304.10 00    011000.00
102249  KC,$X0,BIT13       -INDEX HIGH CONDITION, KC. 17343.01 90  011000.40
        SIC,SEN                                   1310.00 80    011001.00
              BXL,SERS                            1304.32 42    011001.40
        SIC,SEN                                   1310.00 80    011002.00
              BXE,SERS                            1304.32 C2    011002.40
        BXH,102250                               11004.73 42    011003.00
        SIC,SEN                                   1310.00 80    011003.40
              B,SERS                              1304.10 00    011004.00
102250  KCI,$X0,%8¤20      -INDEX HI CONDITION , KCI  20.01 0A  011004.40
        SIC,SEN                                   1310.00 80    011005.00
              BXL,SERS                            1304.32 42    011005.40
        SIC,SEN                                   1310.00 80    011006.00
              BXE,SERS                            1304.32 C2    011006.40
        BXH,102251                               11010.73 42    011007.00
        SIC,SEN                                   1310.00 80    011007.40
              B,SERS                              1304.10 00    011010.00
102251  KC,$X0,BIT11       -INDEX LOW CONDITION, KC. 17341.01 90  011010.40
        SIC,SEN                                   1310.00 80    011011.00
              BXH,SERS                            1304.33 42    011011.40
        SIC,SEN                                   1310.00 80    011012.00
              BXE,SERS                            1304.32 C2    011012.40
        BXL,102252                               11014.72 42    011013.00
        SIC,SEN                                   1310.00 80    011013.40
              B,SERS                              1304.10 00    011014.00
102252  KCI,$X0,%8¤100     -INDEX LOW CONDITION,KCI.  100.01 0A  011014.40
        SIC,SEN                                   1310.00 80    011015.00
              BXH,SERS                            1304.33 42    011015.40
        SIC,SEN                                   1310.00 80    011016.00
              BXE,SERS                            1304.32 C2    011016.40
        BXL,102253                               11020.72 42    011017.00
        SIC,SEN                                   1310.00 80    011017.40
              B,SERS                              1304.10 00    011020.00
102253  B,$+1.0                                  11021.50 00    011020.40
        BD,102247                                10767.04 00    011021.00
        SIC,SEN0+.32                              1311.40 80    011021.40
        B,SSW              -TO SSIP.              1301.10 00    011022.00
        BD,$+.32                                 11023.04 00    011022.40

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10  011023.00
        V+,$X13,BIT12                            17342.32 B0    011023.40
        SX,$X13,IC204                            11301.33 10    011024.00
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102254  SIC,10010           -TEST BIT 41.          6526.00 80    011024.40
        B,1007                                     6523.10 00    011025.00
        LX,$X0,BIT41                              17377.00 10    011025.40
        KC,$X0,BIT13        -EQUAL CONDITION, KC. 17343.01 90    011026.00
        SIC,SEN                                    1310.00 80    011026.40
                BXL,SERS                           1304.32 42    011027.00
        SIC,SEN                                    1310.00 80    011027.40
                BXH,SERS                           1304.33 42    011030.00
        BXE,102255                                11032.32 C2    011030.40
        SIC,SEN                                    1310.00 80    011031.00
                B,SERS                             1304.10 00    011031.40
102255  KC1,$X0,%8¤20       -EQUAL CONDITION,KC1.    20.01 0A    011032.00
        SIC,SEN                                    1310.00 80    011032.40
                BXL,SERS                           1304.32 42    011033.00
        SIC,SEN                                    1310.00 80    011033.40
                BXH,SERS                           1304.33 42    011034.00
        BXE,102256                                11036.32 C2    011034.40
        SIC,SEN                                    1310.00 80    011035.00
                B,SERS                             1304.10 00    011035.40
102256  KC,$X0,BIT14        -INDEX HIGH CONDITION, KC. 17344.01 90    011036.00
        SIC,SEN                                    1310.00 80    011036.40
                BXL,SERS                           1304.32 42    011037.00
        SIC,SEN                                    1310.00 80    011037.40
                BXE,SERS                           1304.32 C2    011040.00
        BXH,102257                                11042.33 42    011040.40
        SIC,SEN                                    1310.00 80    011041.00
                B,SERS                             1304.10 00    011041.40
102257  KC1,$X0,%8¤10       -INDEX HI CONDITION,KC1.  10.01 0A    011042.00
        SIC,SEN                                    1310.00 80    011042.40
                BXL,SERS                           1304.32 42    011043.00
        SIC,SEN                                    1310.00 80    011043.40
                BXE,SERS                           1304.32 C2    011044.00
        BXH,102258                                11046.33 42    011044.40
        SIC,SEN                                    1310.00 80    011045.00
                B,SERS                             1304.10 00    011045.40
102258  KC,$X0,BIT12        -INDEX LOW CONDITION, KC. 17342.01 90    011046.00
        SIC,SEN                                    1310.00 80    011046.40
                BXH,SERS                           1304.33 42    011047.00
        SIC,SEN                                    1310.00 80    011047.40
                BXE,SERS                           1304.32 C2    011050.00
        BXL,102259                                11052.32 42    011050.40
        SIC,SEN                                    1310.00 80    011051.00
                B,SERS                             1304.10 00    011051.40
102259  KC1,$X0,%8¤40       -INDEX LOW CONDITION,KC1.  40.01 0A    011052.00
        SIC,SEN                                    1310.00 80    011052.40
                BXH,SERS                           1304.33 42    011053.00
        SIC,SEN                                    1310.00 80    011053.40
                BXE,SERS                           1304.32 C2    011054.00
        BXL,102260                                11056.32 42    011054.40
        SIC,SEN                                    1310.00 80    011055.00
                B,SERS                             1304.10 00    011055.40
102260  B,$+1,0                                   11057.10 00    011056.00
        BD,102254                                 11024.44 00    011056.40
        SIC,SEN0+,32                               1311.40 80    011057.00
        B,SSW               -TO SSIP.              1301.10 00    011057.40
        BD,$+,32                                  11060.44 00    011060.00

        LX,$X13,IC204       -UPDATE CONTINUITY CHECK. 11301.32 10    011060.40
        V+,$X13,BIT13                             17343.32 B0    011061.00
        SX,$X13,IC204                             11301.33 10    011061.40
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102261  SIC,10010           -TEST BIT 42.          6526.00 80   011062.00
        B,1007                                     6523.10 00   011062.40
        LX,$X0,BIT42                              17400.00 10   011063.00
        KC,$X0,BIT14        -EQUAL CONDITION, KC.  17344.01 90   011063.40
        SIC,SEN                                    1310.00 80   011064.00
              BXL,SERS                             1304.32 42   011064.40
        SIC,SEN                                    1310.00 80   011065.00
              BXH,SERS                             1304.33 42   011065.40
        BXE,102262                                11067.72 C2   011066.00
        SIC,SEN                                    1310.00 80   011066.40
              B,SERS                               1304.10 00   011067.00
102262  KC1,$X0,%8¤10       -EQUAL CONDITION,KC1.    10.01 0A   011067.40
        SIC,SEN                                    1310.00 80   011070.00
              BXL,SERS                             1304.32 42   011070.40
        SIC,SEN                                    1310.00 80   011071.00
              BXH,SERS                             1304.33 42   011071.40
        BXE,102263                                11073.72 C2   011072.00
        SIC,SEN                                    1310.00 80   011072.40
              B,SERS                               1304.10 00   011073.00
102263  KC,$X0,BIT15        -INDEX HIGH CONDITION, KC. 17345.01 90   011073.40
        SIC,SEN                                    1310.00 80   011074.00
              BXL,SERS                             1304.32 42   011074.40
        SIC,SEN                                    1310.00 80   011075.00
              BXE,SERS                             1304.32 C2   011075.40
        BXH,102264                                11077.73 42   011076.00
        SIC,SEN                                    1310.00 80   011076.40
              B,SERS                               1304.10 00   011077.00
102264  KC1,$X0,%8¤4        -INDEX HI CONDITION,KC1.   4.01 0A   011077.40
        SIC,SEN                                    1310.00 80   011100.00
              BXL,SERS                             1304.32 42   011100.40
        SIC,SEN                                    1310.00 80   011101.00
              BXE,SERS                             1304.32 C2   011101.40
        BXH,102265                                11103.73 42   011102.00
        SIC,SEN                                    1310.00 80   011102.40
              B,SERS                               1304.10 00   011103.00
102265  KC,$X0,BIT13        -INDEX LOW CONDITION, KC. 17343.01 90   011103.40
        SIC,SEN                                    1310.00 80   011104.00
              BXH,SERS                             1304.33 42   011104.40
        SIC,SEN                                    1310.00 80   011105.00
              BXE,SERS                             1304.32 C2   011105.40
        BXL,102266                                11107.72 42   011106.00
        SIC,SEN                                    1310.00 80   011106.40
              B,SERS                               1304.10 00   011107.00
102266  KC1,$X0,%8¤20       -INDEX LOW CONDITION,KC1.  20.01 0A   011107.40
        SIC,SEN                                    1310.00 80   011110.00
              BXH,SERS                             1304.33 42   011110.40
        SIC,SEN                                    1310.00 80   011111.00
              BXE,SERS                             1304.32 C2   011111.40
        BXL,102267                                11113.72 42   011112.00
        SIC,SEN                                    1310.00 80   011112.40
              B,SERS                               1304.10 00   011113.00
102267  B,$+1.0                                   11114.50 00   011113.40
        BD,102261                                 11062.04 00   011114.00
        SIC,SEN0+.32                               1311.40 80   011114.40
        B,SSW               -TO SSIP.              1301.10 00   011115.00
        BD,$+.32                                  11116.04 00   011115.40

        LX,$X13,IC204       -UPDATE CONTINUITY CHECK. 11301.32 10   011116.00
        V+,$X13,BIT14                             17344.32 B0   011116.40
        SX,$X13,IC204                             11301.33 10   011117.00
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102268  SIC,10010          -TEST BIT 43.          6526.00 80   011117.40
        B,1007                                    6523.10 00   011120.00
        LX,$X0,BIT43                             17401.00 10   011120.40
        KC,$X0,BIT15       -EQUAL CONDITION, KC.  17345.01 90   011121.00
        SIC,SEN                                   1310.00 80   011121.40
              BXL,SERS                            1304.32 42   011122.00
        SIC,SEN                                   1310.00 80   011122.40
              BXH,SERS                            1304.33 42   011123.00
        BXE,102269                               11125.32 C2   011123.40
        SIC,SEN                                   1310.00 80   011124.00
              B,SERS                              1304.10 00   011124.40
102269  KCI,$X0,%8¤4       -EQUAL CONDITION,KCI.     4.01 0A   011125.00
        SIC,SEN                                   1310.00 80   011125.40
              BXL,SERS                            1304.32 42   011126.00
        SIC,SEN                                   1310.00 80   011126.40
              BXH,SERS                            1304.33 42   011127.00
        BXE,102270                               11131.32 C2   011127.40
        SIC,SEN                                   1310.00 80   011130.00
              B,SERS                              1304.10 00   011130.40
102270  KC,$X0,BIT16       -INDEX HIGH CONDITION, KC.17346.01 90   011131.00
        SIC,SEN                                   1310.00 80   011131.40
              BXL,SERS                            1304.32 42   011132.00
        SIC,SEN                                   1310.00 80   011132.40
              BXE,SERS                            1304.32 C2   011133.00
        BXH,102271                               11135.33 42   011133.40
        SIC,SEN                                   1310.00 80   011134.00
              B,SERS                              1304.10 00   011134.40
102271  KCI,$X0,%8¤2       -INDEX HI CONDITION,KCI.  2.01 0A   011135.00
        SIC,SEN                                   1310.00 80   011135.40
              BXL,SERS                            1304.32 42   011136.00
        SIC,SEN                                   1310.00 80   011136.40
              BXE,SERS                            1304.32 C2   011137.00
        BXH,102272                               11141.33 42   011137.40
        SIC,SEN                                   1310.00 80   011140.00
              B,SERS                              1304.10 00   011140.40
102272  KC,$X0,BIT14       -INDEX LOW CONDITION, KC.17344.01 90   011141.00
        SIC,SEN                                   1310.00 80   011141.40
              BXH,SERS                            1304.33 42   011142.00
        SIC,SEN                                   1310.00 80   011142.40
              BXE,SERS                            1304.32 C2   011143.00
        BXL,102273                               11145.32 42   011143.40
        SIC,SEN                                   1310.00 80   011144.00
              B,SERS                              1304.10 00   011144.40
102273  KCI,$X0,%8¤10      -INDEX LOW CONDITION,KCI. 10.01 0A   011145.00
        SIC,SEN                                   1310.00 80   011145.40
              BXH,SERS                            1304.33 42   011146.00
        SIC,SEN                                   1310.00 80   011146.40
              BXE,SERS                            1304.32 C2   011147.00
        BXL,102274                               11151.32 42   011147.40
        SIC,SEN                                   1310.00 80   011150.00
              B,SERS                              1304.10 00   011150.40
102274  B,$+1.0                                  11152.10 00   011151.00
        BD,102268                                11117.44 00   011151.40
        SIC,SEN0+.32                              1311.40 80   011152.00
        B,SSW              -TO SSIP.              1301.10 00   011152.40
        BD,$+.32                                 11153.44 00   011153.00

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK.11301.32 10   011153.40
        V+,$X13,BIT15                            17345.32 B0   011154.00
        SX,$X13,IC204                            11301.33 10   011154.40
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102275  SIC,10010          -TEST BIT 44.          6526.00 80   011155.00
        B,1007                                    6523.10 00   011155.40
        LX,$X0,BIT44                             17402.00 10   011156.00
        KC,$X0,BIT16       -EQUAL CONDITION, KC.  17346.01 90   011156.40
        SIC,SEN                                   1310.00 80   011157.00
              BXL,SERS                            1304.32 42   011157.40
        SIC,SEN                                   1310.00 80   011160.00
              BXH,SERS                            1304.33 42   011160.40
        BXE,102276                               11162.72 C2   011161.00
        SIC,SEN                                   1310.00 80   011161.40
              B,SERS                              1304.10 00   011162.00
102276  KCI,$X0,%8¤2       -EQUAL CONDITION,KCI.     2.01 0A   011162.40
        SIC,SEN                                   1310.00 80   011163.00
              BXL,SERS                            1304.32 42   011163.40
        SIC,SEN                                   1310.00 80   011164.00
              BXH,SERS                            1304.33 42   011164.40
        BXE,102277                               11166.72 C2   011165.00
        SIC,SEN                                   1310.00 80   011165.40
              B,SERS                              1304.10 00   011166.00
102277  KC,$X0,BIT17       -INDEX HIGH CONDITION, KC.  17347.01 90   011166.40
        SIC,SEN                                   1310.00 80   011167.00
              BXL,SERS                            1304.32 42   011167.40
        SIC,SEN                                   1310.00 80   011170.00
              BXE,SERS                            1304.32 C2   011170.40
        BXH,102278                               11172.73 42   011171.00
        SIC,SEN                                   1310.00 80   011171.40
              B,SERS                              1304.10 00   011172.00
102278  KCI,$X0,%8¤1       -INDEX HI CONDITION,KCI.     1.01 0A   011172.40
        SIC,SEN                                   1310.00 80   011173.00
              BXL,SERS                            1304.32 42   011173.40
        SIC,SEN                                   1310.00 80   011174.00
              BXE,SERS                            1304.32 C2   011174.40
        BXH,102279                               11176.73 42   011175.00
        SIC,SEN                                   1310.00 80   011175.40
              B,SERS                              1304.10 00   011176.00
102279  KC,$X0,BIT15       -INDEX LOW CONDITION, KC.  17345.01 90   011176.40
        SIC,SEN                                   1310.00 80   011177.00
              BXH,SERS                            1304.33 42   011177.40
        SIC,SEN                                   1310.00 80   011200.00
              BXE,SERS                            1304.32 C2   011200.40
        BXL,102280                               11202.72 42   011201.00
        SIC,SEN                                   1310.00 80   011201.40
              B,SERS                              1304.10 00   011202.00
102280  KCI,$X0,%8¤4       -INDEX LOW CONDITION,KCI.     4.01 0A   011202.40
        SIC,SEN                                   1310.00 80   011203.00
              BXH,SERS                            1304.33 42   011203.40
        SIC,SEN                                   1310.00 80   011204.00
              BXE,SERS                            1304.32 C2   011204.40
        BXL,102281                               11206.72 42   011205.00
        SIC,SEN                                   1310.00 80   011205.40
              B,SERS                              1304.10 00   011206.00
102281  B,$+1.0                                  11207.50 00   011206.40
        BD,102275                                11155.04 00   011207.00
        SIC,SEN0+.32                              1311.40 80   011207.40
        B,SSW              -TO SSIP.              1301.10 00   011210.00
        BD,$+.32                                 11211.04 00   011210.40

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK.  11301.32 10   011211.00
        V+,$X13,BIT16                            17346.32 B0   011211.40
        SX,$X13,IC204                            11301.33 10   011212.00
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102282  SIC,10010          -TEST BIT 45.          6526.00 80   011212.40
        B,1007                                    6523.10 00   011213.00
        LX,$X0,BIT45                             17403.00 10   011213.40
        KC,$X0,BIT17       -EQUAL CONDITION, KC.  17347.01 90   011214.00
        SIC,SEN                                   1310.00 80   011214.40
              BXL,SERS                            1304.32 42   011215.00
        SIC,SEN                                   1310.00 80   011215.40
              BXH,SERS                            1304.33 42   011216.00
        BXE,102283                               11220.32 C2   011216.40
        SIC,SEN                                   1310.00 80   011217.00
              B,SERS                              1304.10 00   011217.40
102283  KC1,$X0,%8¤1       -EQUAL CONDITION,KC1.     1.01 0A   011220.00
        SIC,SEN                                   1310.00 80   011220.40
              BXL,SERS                            1304.32 42   011221.00
        SIC,SEN                                   1310.00 80   011221.40
              BXH,SERS                            1304.33 42   011222.00
        BXE,102284                               11224.32 C2   011222.40
        SIC,SEN                                   1310.00 80   011223.00
              B,SERS                              1304.10 00   011223.40
102284  KC,$X0,BIT18       -INDEX HIGH CONDITION, KC. 17350.01 90   011224.00
        SIC,SEN                                   1310.00 80   011224.40
              BXL,SERS                            1304.32 42   011225.00
        SIC,SEN                                   1310.00 80   011225.40
              BXE,SERS                            1304.32 C2   011226.00
        BXH,102285                               11230.33 42   011226.40
        SIC,SEN                                   1310.00 80   011227.00
              B,SERS                              1304.10 00   011227.40
102285  KC1,$X0,%8¤0       -INDEX HI CONDITION,KC1.  0.01 0A   011230.00
        SIC,SEN                                   1310.00 80   011230.40
              BXL,SERS                            1304.32 42   011231.00
        SIC,SEN                                   1310.00 80   011231.40
              BXE,SERS                            1304.32 C2   011232.00
        BXH,102286                               11234.33 42   011232.40
        SIC,SEN                                   1310.00 80   011233.00
              B,SERS                              1304.10 00   011233.40
102286  KC,$X0,BIT16       -INDEX LOW CONDITION, KC. 17346.01 90   011234.00
        SIC,SEN                                   1310.00 80   011234.40
              BXH,SERS                            1304.33 42   011235.00
        SIC,SEN                                   1310.00 80   011235.40
              BXE,SERS                            1304.32 C2   011236.00
        BXL,102288                               11240.32 42   011236.40
        SIC,SEN                                   1310.00 80   011237.00
              B,SERS                              1304.10 00   011237.40
102288  KC1,$X0,%8¤2       -INDEX LOW CONDITION,KC1.  2.01 0A   011240.00
        SIC,SEN                                   1310.00 80   011240.40
              BXH,SERS                            1304.33 42   011241.00
        SIC,SEN                                   1310.00 80   011241.40
              BXE,SERS                            1304.32 C2   011242.00
        BXL,102289                               11244.32 42   011242.40
        SIC,SEN                                   1310.00 80   011243.00
              B,SERS                              1304.10 00   011243.40
102289  B,$+1.0                                  11245.10 00   011244.00
        BD,102282                                11212.44 00   011244.40
        SIC,SEN0+.32                              1311.40 80   011245.00
        B,SSW              -TO SSIP.              1301.10 00   011245.40
        BD,$+.32                                 11246.44 00   011246.00

        LX,$X13,IC204      -UPDATE CONTINUITY CHECK. 11301.32 10   011246.40
        V+,$X13,BIT17                            17347.32 B0   011247.00
        SX,$X13,IC204                            11301.33 10   011247.40
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102290  SIC,10010          -TEST BITS ALL ZERO.          6526.00 80    011250.00
        B,1007                                           6523.10 00    011250.40
        LX,$X0,100Z                                     17306.00 10    011251.00
        KC,$X0,100Z        -EQUAL CONDITION,KC.         17306.01 90    011251.40
        SIC,SEN                                          1310.00 80    011252.00
              BXL,SERS                                   1304.32 42    011252.40
        SIC,SEN                                          1310.00 80    011253.00
              BXH,SERS                                   1304.33 42    011253.40
        BXE,102291                                      11255.72 C2    011254.00
        SIC,SEN                                          1310.00 80    011254.40
              B,SERS                                     1304.10 00    011255.00
102291  KC1,$X0,%8□0       -EQUAL CONDITION,KC1.            0.01 0A    011255.40
        SIC,SEN                                          1310.00 80    011256.00
              BXL,SERS                                   1304.32 42    011256.40
        SIC,SEN                                          1310.00 80    011257.00
              BXH,SERS                                   1304.33 42    011257.40
        BXE,102292                                      11262.72 C2    011260.00
        SIC,SEN                                          1310.00 80    011260.40
              B,SERS                                     1304.10 00    011261.00
        SIC,SEN                                          1310.00 80    011261.40
              B,SERS                                     1304.10 00    011262.00
102292  KC,$X0,BIT17       -INDEX LOW CONDITION, KC.    17347.01 90    011262.40
        SIC,SEN                                          1310.00 80    011263.00
              BXH,SERS                                   1304.33 42    011263.40
        SIC,SEN                                          1310.00 80    011264.00
              BXE,SERS                                   1304.32 C2    011264.40
        BXL,102293                                      11266.72 42    011265.00
        SIC,SEN                                          1310.00 80    011265.40
              B,SERS                                     1304.10 00    011266.00
102293  KC1,$X0,%8□1       -INDEX LOW CONDITION,KC1.        1.01 0A    011266.40
        SIC,SEN                                          1310.00 80    011267.00
              BXH,SERS                                   1304.33 42    011267.40
        SIC,SEN                                          1310.00 80    011270.00
              BXE,SERS                                   1304.32 C2    011270.40
        BXL,102294                                      11272.72 42    011271.00
        SIC,SEN                                          1310.00 80    011271.40
              B,SERS                                     1304.10 00    011272.00
102294  B,$+1.0                                         11273.50 00    011272.40
        BD,102290                                       11250.04 00    011273.00
        SIC,SEN0+.32                                     1311.40 80    011273.40
        B,SSW              -TO SSIP.                     1301.10 00    011274.00
        BD,$+.32                                        11275.04 00    011274.40
                                                                -
        LX,$X13,IC204      -UPDATE CONTINUITY CHECK.    11301.32 10    011275.00
        V+,$X13,BIT18                                   17350.32 B0    011275.40
        SX,$X13,IC204                                   11301.33 10    011276.00
                                                                -
        LX,$X13,IC204      -UPDATE CONTINUITY CHECK.    11301.32 10    011276.40
        KV,$X13,ICK204                                  11302.32 90    011277.00
        SIC,SEN                                          1310.00 80    011277.40
        BZXE,SERS          -CONTINUITY ERROR.            1304.32 C0    011300.00
        B,106                                           11303.10 00    011300.40
        CNOP
                                                                -
IC204   XW,0,0,0           -CONTINUITY REG 1204.            0.00 00 000000.00 00    011301.00
ICK204  XW,%8□777777.40,0,0                         777777.40 00 000000.00 00    011302.00
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                -         ---1206---STORE ZERO CHECK.
                -
 106    LX,$X1,1061D      -UPDATE IDENT          11306.02 10                011303.00
        SX,$X1,DPET13                             1437.03 10                011303.40
        S1C,RET                                   1306.40 80                011304.00
        B,1DF1                                    1443.10 00                011304.40
        Z,1C206                                  11343.22 00                011305.00
        BD,1060                                   11307.04 00               011305.40
        CNOP
 1061D  %1QSZ¤DD%BU,64,8¤,1206    Z                                        011306.00
                -
 1060   LX,$X0,1000       -CHECK STORE INTO EXT. MEM.  17307.00 10          011307.00
        SX,$X0,106DMP                             11345.01 10               011307.40
        L%BU,64,8¤,106DMP                         11345.00 80 000000.20 50  011310.00
        BRZ,1061                                  11312.34 C2               011311.00
        B,1062            -OK TO TEST.            11313.50 00               011311.40
 1061   S1C,SEN           -SX STORES NO BITS.      1310.00 80               011312.00
        B,SERS            -MUST DELETE THIS TEST.  1304.10 00               011312.40
        B,1063            -BYPASS                 11316.50 00               011313.00
                -
 1062   Z,106DMP                                  11345.22 00               011313.40
        L%BU,64,8¤,106DMP                         11345.00 80 000000.20 50  011314.00
        BRZ,1063                                  11316.74 C2               011315.00
        S1C,SEN                                   1310.00 80                011315.40
                B,SERS    -Z IN EXT MEM FAILS.    1304.10 00                011316.00
                -
 1063   L%BU,64,8¤,1000   -CHECK STORE INTO INT. MEM.  17307.00 80 000000.20 50  011316.40
        BRZ,1064                                  11320.74 C2               011317.40
        B,1065            -OK TO TEST.            11322.10 00               011320.00
 1064   S1C,SEN           -VFL LOAD FAILS ON ALL BITS.  1310.00 80          011320.40
        B,SERS            -MUST DELETE TEST.       1304.10 00               011321.00
        B,1066            -DELETE.                11325.10 00               011321.40
                -
 1065   Z,$R                                         11.22 00               011322.00
        L,$R                                         11.00 80 000000.20 50  011322.40
        BRZ,1066                                  11325.34 C2               011323.40
        S1C,SEN                                   1310.00 80                011324.00
                B,SERS    -Z IN INT MEM. FAILS.   1304.10 00                011324.40
                -
 1066   LX,$X0,1000       -CHECK STORE INTO IX CORE.  17307.00 10           011325.00
        L%BU¤,$X0                                    20.00 80 000000.20 50  011325.40
        BRZ,1067                                  11327.74 C2               011326.40
        B,1068                                    11331.10 00               011327.00
 1067   S1C,SEN                                   1310.00 80                011327.40
                B,SERS    -LX FAILS ON ALL BITS.  1304.10 00                011330.00
        B,1069            -BYPASS TEST.           11334.10 00               011330.40
                -
 1068   Z,16                                         20.22 00               011331.00
        L%BU,64,8¤,16,0                              20.00 80 000000.20 50  011331.40
        BRZ,1069                                  11334.34 C2               011332.40
        S1C,SEN                                   1310.00 80                011333.00
                B,SERS    -Z IN IX CORE FAILS.    1304.10 00                011333.40
                -
 1069   B,$+1,0                                   11335.10 00               011334.00
        BD,1060                                   11307.04 00               011334.40
        S1C,SEN0+,32                              1311.40 80                011335.00
        B,SSW             -TO SSIP.               1301.10 00                011335.40
        BD,$+,32                                  11336.44 00               011336.00
                -
        LX,$X13,1C206     -UPDATE CONTINUITY CHECK.  11343.32 10            011336.40
        V+,$X13,BIT0                              17326.32 B0               011337.00
        SX,$X13,1C206                             11343.33 10               011337.40
                -
        LX,$X13,1C206     -UPDATE CONTINUITY CHECK.  11343.32 10            011340.00
        KV,$X13,1CK206                            11344.32 90               011340.40
```

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                STC,SEN                                                 1310.00 80                      011341.00
                BZXE,SERS       -CONTINUITY ERROR.                      1304.32 C0                      011341.40
                B,108                                                   11346.10 00                     011342.00
                     CNOP                                               0.30 00                         011342.40
                -
IC206           XW,0,0,0        -CONTINUITY REG 1206.                   0.00 00 000000.00 00            011343.00
ICK206          XW,%8¤400000.00,0,0                                     400000.00 00 000000.00 00       011344.00
106DMP          NOP                                                     0.30 00                         011345.00
                   NOP                                                  0.30 00                         011345.40
```

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                -         ---1208---INDEX SELECTION TEST.
                -
1108            LX,$X1,1081D        -UPDATE IDENT.          11351.02 10                     011346.00
                SX,$X1,DPET13                               1437.03 10                     011346.40
                SIC,RET                                     1306.40 80                     011347.00
                B,IDF1                                      1443.10 00                     011347.40
                Z,IC208                                     12675.22 00                    011350.00
                BD,1081                                     11352.04 00                    011350.40
                CNOP
1081D           %IQSZ¤DD%BU,64,8¤,1208    Z                                                011351.00
                -
1081            SIC,108S17          -LOAD INDEX 0 AND CHK NO OTHERS 12757.00 80            011352.00
                B,108S1             -GET DATA. CLR ALL IX REGS FIRST. 12677.10 00          011352.40
                LX,$X0,1000                                 17307.00 10                    011353.00
                L%BU,64,8¤,16.0                               20.00 80 000000.20 50        011353.40
                SIC,SEN                                     1310.00 80                     011354.40
                      BRZ,SERS      -NO BITS IN IX 0.        1304.34 C2                    011355.00
                L%BU,64,8¤,17.0                               21.00 80 000000.20 50        011355.40
                BRZ,$+1.32                                  11360.34 C2                    011356.40
                SIC,SEN                                     1310.00 80                     011357.00
                      B,SERS        -BITS IN IX 1.           1304.10 00                    011357.40
                L%BU,64,8¤,18.0                               22.00 80 000000.20 50        011360.00
                BRZ,$+1.32                                  11362.74 C2                    011361.00
                SIC,SEN                                     1310.00 80                     011361.40
                      B,SERS        -BITS IN IX 2.           1304.10 00                    011362.00
                L%BU,64,8¤,19.0                               23.00 80 000000.20 50        011362.40
                BRZ,$+1.32                                  11365.34 C2                    011363.40
                SIC,SEN                                     1310.00 80                     011364.00
                      B,SERS        -BITS IN IX 3.           1304.10 00                    011364.40
                L%BU,64,8¤,20.0                               24.00 80 000000.20 50        011365.00
                BRZ,$+1.32                                  11367.74 C2                    011366.00
                SIC,SEN                                     1310.00 80                     011366.40
                      B,SERS        -BITS IN IX 4.           1304.10 00                    011367.00
                L%BU,64,8¤,21.0                               25.00 80 000000.20 50        011367.40
                BRZ,$+1.32                                  11372.34 C2                    011370.40
                SIC,SEN                                     1310.00 80                     011371.00
                      B,SERS        -BITS IN IX 5.           1304.10 00                    011371.40
                L%BU,64,8¤,22.0                               26.00 80 000000.20 50        011372.00
                BRZ,$+1.32                                  11374.74 C2                    011373.00
                SIC,SEN                                     1310.00 80                     011373.40
                      B,SERS        -BITS IN IX 6.           1304.10 00                    011374.00
                L%BU,64,8¤,23.0                               27.00 80 000000.20 50        011374.40
                BRZ,$+1.32                                  11377.34 C2                    011375.40
                SIC,SEN                                     1310.00 80                     011376.00
                      B,SERS        -BITS IN IX 7.           1304.10 00                    011376.40
                L%BU,64,8¤,24.0                               30.00 80 000000.20 50        011377.00
                BRZ,$+1.32                                  11401.74 C2                    011400.00
                SIC,SEN                                     1310.00 80                     011400.40
                      B,SERS        -BITS IN IX 8.           1304.10 00                    011401.00
                L%BU,64,8¤,25.0                               31.00 80 000000.20 50        011401.40
                BRZ,$+1.32                                  11404.34 C2                    011402.40
                SIC,SEN                                     1310.00 80                     011403.00
                      B,SERS        -BITS IN IX 9.           1304.10 00                    011403.40
                L%BU,64,8¤,26.0                               32.00 80 000000.20 50        011404.00
                BRZ,$+1.32                                  11406.74 C2                    011405.00
                SIC,SEN                                     1310.00 80                     011405.40
                      B,SERS        -BITS IN IX 10.          1304.10 00                    011406.00
                L%BU,64,8¤,27.0                               33.00 80 000000.20 50        011406.40
                BRZ,$+1.32                                  11411.34 C2                    011407.40
                SIC,SEN                                     1310.00 80                     011410.00
                      B,SERS        -BITS IN IX 11.          1304.10 00                    011410.40
                L%BU,64,8¤,28.0                               34.00 80 000000.20 50        011411.00
                BRZ,$+1.32                                  11413.74 C2                    011412.00
                SIC,SEN                                     1310.00 80                     011412.40
                      B,SERS        -BITS IN IX 12.          1304.10 00                    011413.00
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L%BU,64,8¤,29.0                                          35.00 80 000000.20 50      011413.40
BRZ,$+1.32                                          11416.34 C2                     011414.40
SIC,SEN                                              1310.00 80                     011415.00
        B,SERS      -BITS IN IX 13.                  1304.10 00                     011415.40
L%BU,64,8¤,30.0                                          36.00 80 000000.20 50      011416.00
BRZ,$+1.32                                          11420.74 C2                     011417.00
SIC,SEN                                              1310.00 80                     011417.40
        B,SERS      -BITS IN IX 14.                  1304.10 00                     011420.00
L%BU,64,8¤,31.0                                          37.00 80 000000.20 50      011420.40
BRZ,$+1.32                                          11423.34 C2                     011421.40
SIC,SEN                                              1310.00 80                     011422.00
        B,SERS      -BITS IN IX 15.                  1304.10 00                     011422.40
B,$+1.0                                             11424.10 00                     011423.00
BD,I081                                             11352.04 00                     011423.40
SIC,SEN0+.32                                         1311.40 80                     011424.00
B,SSW               -TO SSIP                         1301.10 00                     011424.40
BD,$+.32                                            11425.44 00                     011425.00

LX,$X13,IC208       -UPDATE CONTINUITY CHECK.        12675.32 10                     011425.40
V+,$X13,BIT0                                        17326.32 B0                     011426.00
SX,$X13,IC208                                       12675.33 10                     011426.40
```

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1082    SIC,108S17          -LOAD INDEX 1 AND CHK NO OTHERS     12757.00 80                    011427.00
        B,108S1             -GET DATA. CLR ALL IX REGS FIRST.   12677.10 00                    011427.40
        LX,$X1,1000                                             17307.02 10                    011430.00
        L%BU,64,8¤,17.0                                           21.00 80 000000.20 50        011430.40
        SIC,SEN                                                 1310.00 80                     011431.40
              BRZ,SERS      -NO BITS IN IX 1.                   1304.34 C2                     011432.00
        L%BU,64,8¤,16.0                                           20.00 80 000000.20 50        011432.40
        BRZ,$+1.32                                              11435.34 C2                    011433.40
        SIC,SEN                                                 1310.00 80                     011434.00
              B,SERS        -BITS IN IX 0.                      1304.10 00                     011434.40
        L%BU,64,8¤,18.0                                           22.00 80 000000.20 50        011435.00
        BRZ,$+1.32                                              11437.74 C2                    011436.00
        SIC,SEN                                                 1310.00 80                     011436.40
              B,SERS        -BITS IN IX 2.                      1304.10 00                     011437.00
        L%BU,64,8¤,19.0                                           23.00 80 000000.20 50        011437.40
        BRZ,$+1.32                                              11442.34 C2                    011440.40
        SIC,SEN                                                 1310.00 80                     011441.00
              B,SERS        -BITS IN IX 3.                      1304.10 00                     011441.40
        L%BU,64,8¤,20.0                                           24.00 80 000000.20 50        011442.00
        BRZ,$+1.32                                              11444.74 C2                    011443.00
        SIC,SEN                                                 1310.00 80                     011443.40
              B,SERS        -BITS IN IX 4.                      1304.10 00                     011444.00
        L%BU,64,8¤,21.0                                           25.00 80 000000.20 50        011444.40
        BRZ,$+1.32                                              11447.34 C2                    011445.40
        SIC,SEN                                                 1310.00 80                     011446.00
              B,SERS        -BITS IN IX 5.                      1304.10 00                     011446.40
        L%BU,64,8¤,22.0                                           26.00 80 000000.20 50        011447.00
        BRZ,$+1.32                                              11451.74 C2                    011450.00
        SIC,SEN                                                 1310.00 80                     011450.40
              B,SERS        -BITS IN IX 6.                      1304.10 00                     011451.00
        L%BU,64,8¤,23.0                                           27.00 80 000000.20 50        011451.40
        BRZ,$+1.32                                              11454.34 C2                    011452.40
        SIC,SEN                                                 1310.00 80                     011453.00
              B,SERS        -BITS IN IX 7.                      1304.10 00                     011453.40
        L%BU,64,8¤,24.0                                           30.00 80 000000.20 50        011454.00
        BRZ,$+1.32                                              11456.74 C2                    011455.00
        SIC,SEN                                                 1310.00 80                     011455.40
              B,SERS        -BITS IN IX 8.                      1304.10 00                     011456.00
        L%BU,64,8¤,25.0                                           31.00 80 000000.20 50        011456.40
        BRZ,$+1.32                                              11461.34 C2                    011457.40
        SIC,SEN                                                 1310.00 80                     011460.00
              B,SERS        -BITS IN IX 9.                      1304.10 00                     011460.40
        L%BU,64,8¤,26.0                                           32.00 80 000000.20 50        011461.00
        BRZ,$+1.32                                              11463.74 C2                    011462.00
        SIC,SEN                                                 1310.00 80                     011462.40
              B,SERS        -BITS IN IX 10.                     1304.10 00                     011463.00
        L%BU,64,8¤,27.0                                           33.00 80 000000.20 50        011463.40
        BRZ,$+1.32                                              11466.34 C2                    011464.40
        SIC,SEN                                                 1310.00 80                     011465.00
              B,SERS        -BITS IN IX 11.                     1304.10 00                     011465.40
        L%BU,64,8¤,28.0                                           34.00 80 000000.20 50        011466.00
        BRZ,$+1.32                                              11470.74 C2                    011467.00
        SIC,SEN                                                 1310.00 80                     011467.40
              B,SERS        -BITS IN IX 12.                     1304.10 00                     011470.00
        L%BU,64,8¤,29.0                                           35.00 80 000000.20 50        011470.40
        BRZ,$+1.32                                              11473.34 C2                    011471.40
        SIC,SEN                                                 1310.00 80                     011472.00
              B,SERS        -BITS IN IX 13.                     1304.10 00                     011472.40
        L%BU,64,8¤,30.0                                           36.00 80 000000.20 50        011473.00
        BRZ,$+1.32                                              11475.74 C2                    011474.00
        SIC,SEN                                                 1310.00 80                     011474.40
              B,SERS        -BITS IN IX 14.                     1304.10 00                     011475.00
        L%BU,64,8¤,31.0                                           37.00 80 000000.20 50        011475.40
        BRZ,$+1.32                                              11500.34 C2                    011476.40
        SIC,SEN                                                 1310.00 80                     011477.00
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          B,SERS      -BITS IN IX 15.                  1304.10 00      011477.40
          B,$+1,0                                      11501.10 00     011500.00
          BD,1082                                      11427.04 00     011500.40
          SIC,SEN0+,32                                  1311.40 80     011501.00
          B,SSW       -TO SSIP                         1301.10 00      011501.40
          BD,$+,32                                     11502.44 00     011502.00

          LX,$X13,IC208   -UPDATE CONTINUITY CHECK.    12675.32 10     011502.40
          V+,$X13,BIT1                                 17327.32 B0     011503.00
          SX,$X13,IC208                                12675.33 10     011503.40
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1083    SIC,108S17          -LOAD INDEX 2 AND CHK NO OTHERS     12757.00 80                    011504.00
        B,108S1             -GET DATA. CLR ALL IX REGS FIRST.   12677.10 00                    011504.40
        LX,$X2,1000                                             17307.04 10                    011505.00
        L%BU,64,8¤,18.0                                           22.00 80 000000.20 50        011505.40
        SIC,SEN                                                 1310.00 80                     011506.40
              BRZ,SERS      -NO BITS IN IX 2.                   1304.34 C2                     011507.00
        L%BU,64,8¤,16.0                                           20.00 80 000000.20 50        011507.40
        BRZ,$+1.32                                              11512.34 C2                    011510.40
        SIC,SEN                                                 1310.00 80                     011511.00
              B,SERS        -BITS IN IX 0.                      1304.10 00                     011511.40
        L%BU,64,8¤,17.0                                           21.00 80 000000.20 50        011512.00
        BRZ,$+1.32                                              11514.74 C2                    011513.00
        SIC,SEN                                                 1310.00 80                     011513.40
              B,SERS        -BITS IN IX 1.                      1304.10 00                     011514.00
        L%BU,64,8¤,19.0                                           23.00 80 000000.20 50        011514.40
        BRZ,$+1.32                                              11517.34 C2                    011515.40
        SIC,SEN                                                 1310.00 80                     011516.00
              B,SERS        -BITS IN IX 3.                      1304.10 00                     011516.40
        L%BU,64,8¤,20.0                                           24.00 80 000000.20 50        011517.00
        BRZ,$+1.32                                              11521.74 C2                    011520.00
        SIC,SEN                                                 1310.00 80                     011520.40
              B,SERS        -BITS IN IX 4.                      1304.10 00                     011521.00
        L%BU,64,8¤,21.0                                           25.00 80 000000.20 50        011521.40
        BRZ,$+1.32                                              11524.34 C2                    011522.40
        SIC,SEN                                                 1310.00 80                     011523.00
              B,SERS        -BITS IN IX 5.                      1304.10 00                     011523.40
        L%BU,64,8¤,22.0                                           26.00 80 000000.20 50        011524.00
        BRZ,$+1.32                                              11526.74 C2                    011525.00
        SIC,SEN                                                 1310.00 80                     011525.40
              B,SERS        -BITS IN IX 6.                      1304.10 00                     011526.00
        L%BU,64,8¤,23.0                                           27.00 80 000000.20 50        011526.40
        BRZ,$+1.32                                              11531.34 C2                    011527.40
        SIC,SEN                                                 1310.00 80                     011530.00
              B,SERS        -BITS IN IX 7.                      1304.10 00                     011530.40
        L%BU,64,8¤,24.0                                           30.00 80 000000.20 50        011531.00
        BRZ,$+1.32                                              11533.74 C2                    011532.00
        SIC,SEN                                                 1310.00 80                     011532.40
              B,SERS        -BITS IN IX 8.                      1304.10 00                     011533.00
        L%BU,64,8¤,25.0                                           31.00 80 000000.20 50        011533.40
        BRZ,$+1.32                                              11536.34 C2                    011534.40
        SIC,SEN                                                 1310.00 80                     011535.00
              B,SERS        -BITS IN IX 9.                      1304.10 00                     011535.40
        L%BU,64,8¤,26.0                                           32.00 80 000000.20 50        011536.00
        BRZ,$+1.32                                              11540.74 C2                    011537.00
        SIC,SEN                                                 1310.00 80                     011537.40
              B,SERS        -BITS IN IX 10.                     1304.10 00                     011540.00
        L%BU,64,8¤,27.0                                           33.00 80 000000.20 50        011540.40
        BRZ,$+1.32                                              11543.34 C2                    011541.40
        SIC,SEN                                                 1310.00 80                     011542.00
              B,SERS        -BITS IN IX 11.                     1304.10 00                     011542.40
        L%BU,64,8¤,28.0                                           34.00 80 000000.20 50        011543.00
        BRZ,$+1.32                                              11545.74 C2                    011544.00
        SIC,SEN                                                 1310.00 80                     011544.40
              B,SERS        -BITS IN IX 12.                     1304.10 00                     011545.00
        L%BU,64,8¤,29.0                                           35.00 80 000000.20 50        011545.40
        BRZ,$+1.32                                              11550.34 C2                    011546.40
        SIC,SEN                                                 1310.00 80                     011547.00
              B,SERS        -BITS IN IX 13.                     1304.10 00                     011547.40
        L%BU,64,8¤,30.0                                           36.00 80 000000.20 50        011550.00
        BRZ,$+1.32                                              11552.74 C2                    011551.00
        SIC,SEN                                                 1310.00 80                     011551.40
              B,SERS        -BITS IN IX 14.                     1304.10 00                     011552.00
        L%BU,64,8¤,31.0                                           37.00 80 000000.20 50        011552.40
        BRZ,$+1.32                                              11555.34 C2                    011553.40
        SIC,SEN                                                 1310.00 80                     011554.00
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                B,SERS          -BITS IN IX 15.                 1304.10 00      011554.40
B,$+1,0                                                         11556.10 00     011555.00
BD,1083                                                         1035.44 00      011555.40
SIC,SEN0+,32                                                    1311.40 80      011556.00
B,SSW           -TO SSIP                                        1301.10 00      011556.40
BD,$+,32                                                        11557.44 00     011557.00

LX,$X13,IC208   -UPDATE CONTINUITY CHECK.                       12675.32 10     011557.40
V+,$X13,BIT2                                                    17330.32 B0     011560.00
SX,$X13,IC208                                                   12675.33 10     011560.40
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1084    SIC,108S17          -LOAD INDEX 3 AND CHK NO OTHERS      12757.00 80                    011561.00
        B,108S1             -GET DATA. CLR ALL IX REGS FIRST.    12677.10 00                    011561.40
        LX,$X3,1000                                              17307.06 10                    011562.00
        L%BU,64,8¤,19.0                                             23.00 80 000000.20 50       011562.40
        SIC,SEN                                                   1310.00 80                    011563.40
              BRZ,SERS      -NO BITS IN IX 3.                    1304.34 C2                    011564.00
        L%BU,64,8¤,16.0                                             20.00 80 000000.20 50       011564.40
        BRZ,$+1.32                                               11567.34 C2                    011565.40
        SIC,SEN                                                   1310.00 80                    011566.00
              B,SERS        -BITS IN IX 0.                       1304.10 00                    011566.40
        L%BU,64,8¤,17.0                                             21.00 80 000000.20 50       011567.00
        BRZ,$+1.32                                               11571.74 C2                    011570.00
        SIC,SEN                                                   1310.00 80                    011570.40
              B,SERS        -BITS IN IX 1.                       1304.10 00                    011571.00
        L%BU,64,8¤,18.0                                             22.00 80 000000.20 50       011571.40
        BRZ,$+1.32                                               11574.34 C2                    011572.40
        SIC,SEN                                                   1310.00 80                    011573.00
              B,SERS        -BITS IN IX 2.                       1304.10 00                    011573.40
        L%BU,64,8¤,20.0                                             24.00 80 000000.20 50       011574.00
        BRZ,$+1.32                                               11576.74 C2                    011575.00
        SIC,SEN                                                   1310.00 80                    011575.40
              B,SERS        -BITS IN IX 4.                       1304.10 00                    011576.00
        L%BU,64,8¤,21.0                                             25.00 80 000000.20 50       011576.40
        BRZ,$+1.32                                               11601.34 C2                    011577.40
        SIC,SEN                                                   1310.00 80                    011600.00
              B,SERS        -BITS IN IX 5.                       1304.10 00                    011600.40
        L%BU,64,8¤,22.0                                             26.00 80 000000.20 50       011601.00
        BRZ,$+1.32                                               11603.74 C2                    011602.00
        SIC,SEN                                                   1310.00 80                    011602.40
              B,SERS        -BITS IN IX 6.                       1304.10 00                    011603.00
        L%BU,64,8¤,23.0                                             27.00 80 000000.20 50       011603.40
        BRZ,$+1.32                                               11606.34 C2                    011604.40
        SIC,SEN                                                   1310.00 80                    011605.00
              B,SERS        -BITS IN IX 7.                       1304.10 00                    011605.40
        L%BU,64,8¤,24.0                                             30.00 80 000000.20 50       011606.00
        BRZ,$+1.32                                               11610.74 C2                    011607.00
        SIC,SEN                                                   1310.00 80                    011607.40
              B,SERS        -BITS IN IX 8.                       1304.10 00                    011610.00
        L%BU,64,8¤,25.0                                             31.00 80 000000.20 50       011610.40
        BRZ,$+1.32                                               11613.34 C2                    011611.40
        SIC,SEN                                                   1310.00 80                    011612.00
              B,SERS        -BITS IN IX 9.                       1304.10 00                    011612.40
        L%BU,64,8¤,26.0                                             32.00 80 000000.20 50       011613.00
        BRZ,$+1.32                                               11615.74 C2                    011614.00
        SIC,SEN                                                   1310.00 80                    011614.40
              B,SERS        -BITS IN IX 10.                      1304.10 00                    011615.00
        L%BU,64,8¤,27.0                                             33.00 80 000000.20 50       011615.40
        BRZ,$+1.32                                               11620.34 C2                    011616.40
        SIC,SEN                                                   1310.00 80                    011617.00
              B,SERS        -BITS IN IX 11.                      1304.10 00                    011617.40
        L%BU,64,8¤,28.0                                             34.00 80 000000.20 50       011620.00
        BRZ,$+1.32                                               11622.74 C2                    011621.00
        SIC,SEN                                                   1310.00 80                    011621.40
              B,SERS        -BITS IN IX 12.                      1304.10 00                    011622.00
        L%BU,64,8¤,29.0                                             35.00 80 000000.20 50       011622.40
        BRZ,$+1.32                                               11625.34 C2                    011623.40
        SIC,SEN                                                   1310.00 80                    011624.00
              B,SERS        -BITS IN IX 13.                      1304.10 00                    011624.40
        L%BU,64,8¤,30.0                                             36.00 80 000000.20 50       011625.00
        BRZ,$+1.32                                               11627.74 C2                    011626.00
        SIC,SEN                                                   1310.00 80                    011626.40
              B,SERS        -BITS IN IX 14.                      1304.10 00                    011627.00
        L%BU,64,8¤,31.0                                             37.00 80 000000.20 50       011627.40
        BRZ,$+1.32                                               11632.34 C2                    011630.40
        SIC,SEN                                                   1310.00 80                    011631.00
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                B,SERS          -BITS IN IX 15.                 1304.10 00      011631.40
B,$+1,0                                                         11633.10 00     011632.00
BD,1084                                                         11561.04 00     011632.40
SIC,SEN0+,32                                                    1311.40 80      011633.00
B,SSW           -TO SSIP                                        1301.10 00      011633.40
BD,$+,32                                                        11634.44 00     011634.00

LX,$X13,IC208   -UPDATE CONTINUITY CHECK.                       12675.32 10     011634.40
V+,$X13,BIT3                                                    17331.32 B0     011635.00
SX,$X13,IC208                                                   12675.33 10     011635.40
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1085    SIC,108S17          -LOAD INDEX 4 AND CHK NO OTHERS     12757.00 80                    011636.00
        B,108S1             -GET DATA. CLR ALL IX REGS FIRST.   12677.10 00                    011636.40
        LX,$X4,1000                                             17307.10 10                    011637.00
        L%BU,64,8¤,20.0                                           24.00 80 000000.20 50        011637.40
        SIC,SEN                                                 1310.00 80                     011640.40
              BRZ,SERS      -NO BITS IN IX 4.                   1304.34 C2                     011641.00
        L%BU,64,8¤,16.0                                           20.00 80 000000.20 50        011641.40
        BRZ,$+1.32                                              11644.34 C2                    011642.40
        SIC,SEN                                                 1310.00 80                     011643.00
              B,SERS        -BITS IN IX 0.                      1304.10 00                     011643.40
        L%BU,64,8¤,17.0                                           21.00 80 000000.20 50        011644.00
        BRZ,$+1.32                                              11646.74 C2                    011645.00
        SIC,SEN                                                 1310.00 80                     011645.40
              B,SERS        -BITS IN IX 1.                      1304.10 00                     011646.00
        L%BU,64,8¤,18.0                                           22.00 80 000000.20 50        011646.40
        BRZ,$+1.32                                              11651.34 C2                    011647.40
        SIC,SEN                                                 1310.00 80                     011650.00
              B,SERS        -BITS IN IX 2.                      1304.10 00                     011650.40
        L%BU,64,8¤,19.0                                           23.00 80 000000.20 50        011651.00
        BRZ,$+1.32                                              11653.74 C2                    011652.00
        SIC,SEN                                                 1310.00 80                     011652.40
              B,SERS        -BITS IN IX 3.                      1304.10 00                     011653.00
        L%BU,64,8¤,21.0                                           25.00 80 000000.20 50        011653.40
        BRZ,$+1.32                                              11656.34 C2                    011654.40
        SIC,SEN                                                 1310.00 80                     011655.00
              B,SERS        -BITS IN IX 5.                      1304.10 00                     011655.40
        L%BU,64,8¤,22.0                                           26.00 80 000000.20 50        011656.00
        BRZ,$+1.32                                              11660.74 C2                    011657.00
        SIC,SEN                                                 1310.00 80                     011657.40
              B,SERS        -BITS IN IX 6.                      1304.10 00                     011660.00
        L%BU,64,8¤,23.0                                           27.00 80 000000.20 50        011660.40
        BRZ,$+1.32                                              11663.34 C2                    011661.40
        SIC,SEN                                                 1310.00 80                     011662.00
              B,SERS        -BITS IN IX 7.                      1304.10 00                     011662.40
        L%BU,64,8¤,24.0                                           30.00 80 000000.20 50        011663.00
        BRZ,$+1.32                                              11665.74 C2                    011664.00
        SIC,SEN                                                 1310.00 80                     011664.40
              B,SERS        -BITS IN IX 8.                      1304.10 00                     011665.00
        L%BU,64,8¤,25.0                                           31.00 80 000000.20 50        011665.40
        BRZ,$+1.32                                              11670.34 C2                    011666.40
        SIC,SEN                                                 1310.00 80                     011667.00
              B,SERS        -BITS IN IX 9.                      1304.10 00                     011667.40
        L%BU,64,8¤,26.0                                           32.00 80 000000.20 50        011670.00
        BRZ,$+1.32                                              11672.74 C2                    011671.00
        SIC,SEN                                                 1310.00 80                     011671.40
              B,SERS        -BITS IN IX 10.                     1304.10 00                     011672.00
        L%BU,64,8¤,27.0                                           33.00 80 000000.20 50        011672.40
        BRZ,$+1.32                                              11675.34 C2                    011673.40
        SIC,SEN                                                 1310.00 80                     011674.00
              B,SERS        -BITS IN IX 11.                     1304.10 00                     011674.40
        L%BU,64,8¤,28.0                                           34.00 80 000000.20 50        011675.00
        BRZ,$+1.32                                              11677.74 C2                    011676.00
        SIC,SEN                                                 1310.00 80                     011676.40
              B,SERS        -BITS IN IX 12.                     1304.10 00                     011677.00
        L%BU,64,8¤,29.0                                           35.00 80 000000.20 50        011677.40
        BRZ,$+1.32                                              11702.34 C2                    011700.40
        SIC,SEN                                                 1310.00 80                     011701.00
              B,SERS        -BITS IN IX 13.                     1304.10 00                     011701.40
        L%BU,64,8¤,30.0                                           36.00 80 000000.20 50        011702.00
        BRZ,$+1.32                                              11704.74 C2                    011703.00
        SIC,SEN                                                 1310.00 80                     011703.40
              B,SERS        -BITS IN IX 14.                     1304.10 00                     011704.00
        L%BU,64,8¤,31.0                                           37.00 80 000000.20 50        011704.40
        BRZ,$+1.32                                              11707.34 C2                    011705.40
        SIC,SEN                                                 1310.00 80                     011706.00
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                B,SERS          -BITS IN IX 15.                 1304.10 00      011706.40
B,S+1,0                                                         11710.10 00     011707.00
BD,1085                                                         11636.04 00     011707.40
SIC,SEN0+.32                                                    1311.40 80      011710.00
B,SSW           -TO SSIP                                        1301.10 00      011710.40
BD,S+.32                                                        11711.44 00     011711.00

LX,SX13,IC208   -UPDATE CONTINUITY CHECK.                       12675.32 10     011711.40
V+,SX13,BIT4                                                    17332.32 B0     011712.00
SX,SX13,IC208                                                   12675.33 10     011712.40
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1086    SIC,108S17          -LOAD INDEX 5 AND CHK NO OTHERS     12757.00 80                    011713.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.    12677.10 00                    011713.40
        LX,$X5,1000                                             17307.12 10                    011714.00
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50       011714.40
        SIC,SEN                                                  1310.00 80                    011715.40
              BRZ,SERS      -NO BITS IN IX 5.                   1304.34 C2                    011716.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50       011716.40
        BRZ,$+1.32                                              11721.34 C2                    011717.40
        SIC,SEN                                                  1310.00 80                    011720.00
              B,SERS        -BITS IN IX 0.                      1304.10 00                    011720.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50       011721.00
        BRZ,$+1.32                                              11723.74 C2                    011722.00
        SIC,SEN                                                  1310.00 80                    011722.40
              B,SERS        -BITS IN IX 1.                      1304.10 00                    011723.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50       011723.40
        BRZ,$+1.32                                              11726.34 C2                    011724.40
        SIC,SEN                                                  1310.00 80                    011725.00
              B,SERS        -BITS IN IX 2.                      1304.10 00                    011725.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50       011726.00
        BRZ,$+1.32                                              11730.74 C2                    011727.00
        SIC,SEN                                                  1310.00 80                    011727.40
              B,SERS        -BITS IN IX 3.                      1304.10 00                    011730.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50       011730.40
        BRZ,$+1.32                                              11733.34 C2                    011731.40
        SIC,SEN                                                  1310.00 80                    011732.00
              B,SERS        -BITS IN IX 4.                      1304.10 00                    011732.40
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50       011733.00
        BRZ,$+1.32                                              11735.74 C2                    011734.00
        SIC,SEN                                                  1310.00 80                    011734.40
              B,SERS        -BITS IN IX 6.                      1304.10 00                    011735.00
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50       011735.40
        BRZ,$+1.32                                              11740.34 C2                    011736.40
        SIC,SEN                                                  1310.00 80                    011737.00
              B,SERS        -BITS IN IX 7.                      1304.10 00                    011737.40
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50       011740.00
        BRZ,$+1.32                                              11742.74 C2                    011741.00
        SIC,SEN                                                  1310.00 80                    011741.40
              B,SERS        -BITS IN IX 8.                      1304.10 00                    011742.00
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50       011742.40
        BRZ,$+1.32                                              11745.34 C2                    011743.40
        SIC,SEN                                                  1310.00 80                    011744.00
              B,SERS        -BITS IN IX 9.                      1304.10 00                    011744.40
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50       011745.00
        BRZ,$+1.32                                              11747.74 C2                    011746.00
        SIC,SEN                                                  1310.00 80                    011746.40
              B,SERS        -BITS IN IX 10.                     1304.10 00                    011747.00
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50       011747.40
        BRZ,$+1.32                                              11752.34 C2                    011750.40
        SIC,SEN                                                  1310.00 80                    011751.00
              B,SERS        -BITS IN IX 11.                     1304.10 00                    011751.40
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50       011752.00
        BRZ,$+1.32                                              11754.74 C2                    011753.00
        SIC,SEN                                                  1310.00 80                    011753.40
              B,SERS        -BITS IN IX 12.                     1304.10 00                    011754.00
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50       011754.40
        BRZ,$+1.32                                              11757.34 C2                    011755.40
        SIC,SEN                                                  1310.00 80                    011756.00
              B,SERS        -BITS IN IX 13.                     1304.10 00                    011756.40
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50       011757.00
        BRZ,$+1.32                                              11761.74 C2                    011760.00
        SIC,SEN                                                  1310.00 80                    011760.40
              B,SERS        -BITS IN IX 14.                     1304.10 00                    011761.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50       011761.40
        BRZ,$+1.32                                              11764.34 C2                    011762.40
        SIC,SEN                                                  1310.00 80                    011763.00
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                B,SERS          -BITS IN IX 15.          1304.10 00      011763.40
B,$+1,0                                                  11765.10 00     011764.00
BD,1086                                                  11713.04 00     011764.40
SIC,SEN0+,32                                             1311.40 80      011765.00
B,SSW           -TO SSIP                                 1301.10 00      011765.40
BD,$+,32                                                 11766.44 00     011766.00

LX,$X13,IC208   -UPDATE CONTINUITY CHECK.                12675.32 10     011766.40
V+,$X13,BIT5                                             17333.32 B0     011767.00
SX,$X13,IC208                                            12675.33 10     011767.40
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1087    SIC,108S17          -LOAD INDEX 6 AND CHK NO OTHERS     12757.00 80                    011770.00
        B,108S1             -GET DATA. CLR ALL IX REGS FIRST.   12677.10 00                    011770.40
        LX,$X6,1000                                             17307.14 10                    011771.00
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50       011771.40
        SIC,SEN                                                  1310.00 80                    011772.40
              BRZ,SERS      -NO BITS IN IX 6.                    1304.34 C2                    011773.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50       011773.40
        BRZ,$+1.32                                              11776.34 C2                    011774.40
        SIC,SEN                                                  1310.00 80                    011775.00
              B,SERS        -BITS IN IX 0.                       1304.10 00                    011775.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50       011776.00
        BRZ,$+1.32                                              12000.74 C2                    011777.00
        SIC,SEN                                                  1310.00 80                    011777.40
              B,SERS        -BITS IN IX 1.                       1304.10 00                    012000.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50       012000.40
        BRZ,$+1.32                                              12003.34 C2                    012001.40
        SIC,SEN                                                  1310.00 80                    012002.00
              B,SERS        -BITS IN IX 2.                       1304.10 00                    012002.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50       012003.00
        BRZ,$+1.32                                              12005.74 C2                    012004.00
        SIC,SEN                                                  1310.00 80                    012004.40
              B,SERS        -BITS IN IX 3.                       1304.10 00                    012005.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50       012005.40
        BRZ,$+1.32                                              12010.34 C2                    012006.40
        SIC,SEN                                                  1310.00 80                    012007.00
              B,SERS        -BITS IN IX 4.                       1304.10 00                    012007.40
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50       012010.00
        BRZ,$+1.32                                              12012.74 C2                    012011.00
        SIC,SEN                                                  1310.00 80                    012011.40
              B,SERS        -BITS IN IX 5.                       1304.10 00                    012012.00
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50       012012.40
        BRZ,$+1.32                                              12015.34 C2                    012013.40
        SIC,SEN                                                  1310.00 80                    012014.00
              B,SERS        -BITS IN IX 7.                       1304.10 00                    012014.40
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50       012015.00
        BRZ,$+1.32                                              12017.74 C2                    012016.00
        SIC,SEN                                                  1310.00 80                    012016.40
              B,SERS        -BITS IN IX 8.                       1304.10 00                    012017.00
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50       012017.40
        BRZ,$+1.32                                              12022.34 C2                    012020.40
        SIC,SEN                                                  1310.00 80                    012021.00
              B,SERS        -BITS IN IX 9.                       1304.10 00                    012021.40
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50       012022.00
        BRZ,$+1.32                                              12024.74 C2                    012023.00
        SIC,SEN                                                  1310.00 80                    012023.40
              B,SERS        -BITS IN IX 10.                      1304.10 00                    012024.00
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50       012024.40
        BRZ,$+1.32                                              12027.34 C2                    012025.40
        SIC,SEN                                                  1310.00 80                    012026.00
              B,SERS        -BITS IN IX 11.                      1304.10 00                    012026.40
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50       012027.00
        BRZ,$+1.32                                              12031.74 C2                    012030.00
        SIC,SEN                                                  1310.00 80                    012030.40
              B,SERS        -BITS IN IX 12.                      1304.10 00                    012031.00
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50       012031.40
        BRZ,$+1.32                                              12034.34 C2                    012032.40
        SIC,SEN                                                  1310.00 80                    012033.00
              B,SERS        -BITS IN IX 13.                      1304.10 00                    012033.40
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50       012034.00
        BRZ,$+1.32                                              12036.74 C2                    012035.00
        SIC,SEN                                                  1310.00 80                    012035.40
              B,SERS        -BITS IN IX 14.                      1304.10 00                    012036.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50       012036.40
        BRZ,$+1.32                                              12041.34 C2                    012037.40
        SIC,SEN                                                  1310.00 80                    012040.00
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                B,SERS          -BITS IN IX 15.                 1304.10 00      012040.40
                B,$+1,0                                         12042.10 00     012041.00
                BD,1087                                         11770.04 00     012041.40
                SIC,SEN0+,32                                     1311.40 80     012042.00
                B,SSW           -TO SSIP                        1301.10 00      012042.40
                BD,$+,32                                        12043.44 00     012043.00

                LX,$X13,IC208   -UPDATE CONTINUITY CHECK.       12675.32 10     012043.40
                V+,$X13,BIT6                                    17334.32 80     012044.00
                SX,$X13,IC208                                   12675.33 10     012044.40
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1088    SIC,108S17          -LOAD INDEX 7 AND CHK NO OTHERS     12757.00 80                012045.00
        B,108S1             -GET DATA. CLR ALL IX REGS FIRST.   12677.10 00                012045.40
        LX,$X7,1000                                             17307.16 10                012046.00
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50   012046.40
        SIC,SEN                                                  1310.00 80                012047.40
              BRZ,SERS      -NO BITS IN IX 7.                    1304.34 C2                012050.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50   012050.40
        BRZ,$+1.32                                              12053.34 C2                012051.40
        SIC,SEN                                                  1310.00 80                012052.00
              B,SERS        -BITS IN IX 0.                       1304.10 00                012052.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50   012053.00
        BRZ,$+1.32                                              12055.74 C2                012054.00
        SIC,SEN                                                  1310.00 80                012054.40
              B,SERS        -BITS IN IX 1.                       1304.10 00                012055.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50   012055.40
        BRZ,$+1.32                                              12060.34 C2                012056.40
        SIC,SEN                                                  1310.00 80                012057.00
              B,SERS        -BITS IN IX 2.                       1304.10 00                012057.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50   012060.00
        BRZ,$+1.32                                              12062.74 C2                012061.00
        SIC,SEN                                                  1310.00 80                012061.40
              B,SERS        -BITS IN IX 3.                       1304.10 00                012062.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50   012062.40
        BRZ,$+1.32                                              12065.34 C2                012063.40
        SIC,SEN                                                  1310.00 80                012064.00
              B,SERS        -BITS IN IX 4.                       1304.10 00                012064.40
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50   012065.00
        BRZ,$+1.32                                              12067.74 C2                012066.00
        SIC,SEN                                                  1310.00 80                012066.40
              B,SERS        -BITS IN IX 5.                       1304.10 00                012067.00
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50   012067.40
        BRZ,$+1.32                                              12072.34 C2                012070.40
        SIC,SEN                                                  1310.00 80                012071.00
              B,SERS        -BITS IN IX 6.                       1304.10 00                012071.40
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50   012072.00
        BRZ,$+1.32                                              12074.74 C2                012073.00
        SIC,SEN                                                  1310.00 80                012073.40
              B,SERS        -BITS IN IX 8.                       1304.10 00                012074.00
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50   012074.40
        BRZ,$+1.32                                              12077.34 C2                012075.40
        SIC,SEN                                                  1310.00 80                012076.00
              B,SERS        -BITS IN IX 9.                       1304.10 00                012076.40
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50   012077.00
        BRZ,$+1.32                                              12101.74 C2                012100.00
        SIC,SEN                                                  1310.00 80                012100.40
              B,SERS        -BITS IN IX 10.                      1304.10 00                012101.00
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50   012101.40
        BRZ,$+1.32                                              12104.34 C2                012102.40
        SIC,SEN                                                  1310.00 80                012103.00
              B,SERS        -BITS IN IX 11.                      1304.10 00                012103.40
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50   012104.00
        BRZ,$+1.32                                              12106.74 C2                012105.00
        SIC,SEN                                                  1310.00 80                012105.40
              B,SERS        -BITS IN IX 12.                      1304.10 00                012106.00
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50   012106.40
        BRZ,$+1.32                                              12111.34 C2                012107.40
        SIC,SEN                                                  1310.00 80                012110.00
              B,SERS        -BITS IN IX 13.                      1304.10 00                012110.40
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50   012111.00
        BRZ,$+1.32                                              12113.74 C2                012112.00
        SIC,SEN                                                  1310.00 80                012112.40
              B,SERS        -BITS IN IX 14.                      1304.10 00                012113.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50   012113.40
        BRZ,$+1.32                                              12116.34 C2                012114.40
        SIC,SEN                                                  1310.00 80                012115.00
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                B,SERS          -BITS IN IX 15.                 1304.10 00      012115.40
B,$+1,0                                                         12117.10 00     012116.00
BD,1088                                                         12045.04 00     012116.40
SIC,SEN0+,32                                                    1311.40 80      012117.00
B,SSW           -TO SSIP                                        1301.10 00      012117.40
BD,$+,32                                                        12120.44 00     012120.00

LX,$X13,IC208   -UPDATE CONTINUITY CHECK.                       12675.32 10     012120.40
V+,$X13,BIT7                                                    17335.32 B0     012121.00
SX,$X13,IC208                                                   12675.33 10     012121.40
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1089    SIC,108S17          -LOAD INDEX 8 AND CHK NO OTHERS     12757.00 80                    012122.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.    12677.10 00                    012122.40
        LX,$X8,1000                                             17307.20 10                    012123.00
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50       012123.40
        SIC,SEN                                                  1310.00 80                    012124.40
              BRZ,SERS      -NO BITS IN IX 8.                   1304.34 C2                    012125.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50       012125.40
        BRZ,$+1.32                                              12130.34 C2                    012126.40
        SIC,SEN                                                  1310.00 80                    012127.00
              B,SERS        -BITS IN IX 0.                      1304.10 00                    012127.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50       012130.00
        BRZ,$+1.32                                              12132.74 C2                    012131.00
        SIC,SEN                                                  1310.00 80                    012131.40
              B,SERS        -BITS IN IX 1.                      1304.10 00                    012132.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50       012132.40
        BRZ,$+1.32                                              12135.34 C2                    012133.40
        SIC,SEN                                                  1310.00 80                    012134.00
              B,SERS        -BITS IN IX 2.                      1304.10 00                    012134.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50       012135.00
        BRZ,$+1.32                                              12137.74 C2                    012136.00
        SIC,SEN                                                  1310.00 80                    012136.40
              B,SERS        -BITS IN IX 3.                      1304.10 00                    012137.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50       012137.40
        BRZ,$+1.32                                              12142.34 C2                    012140.40
        SIC,SEN                                                  1310.00 80                    012141.00
              B,SERS        -BITS IN IX 4.                      1304.10 00                    012141.40
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50       012142.00
        BRZ,$+1.32                                              12144.74 C2                    012143.00
        SIC,SEN                                                  1310.00 80                    012143.40
              B,SERS        -BITS IN IX 5.                      1304.10 00                    012144.00
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50       012144.40
        BRZ,$+1.32                                              12147.34 C2                    012145.40
        SIC,SEN                                                  1310.00 80                    012146.00
              B,SERS        -BITS IN IX 6.                      1304.10 00                    012146.40
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50       012147.00
        BRZ,$+1.32                                              12151.74 C2                    012150.00
        SIC,SEN                                                  1310.00 80                    012150.40
              B,SERS        -BITS IN IX 7.                      1304.10 00                    012151.00
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50       012151.40
        BRZ,$+1.32                                              12154.34 C2                    012152.40
        SIC,SEN                                                  1310.00 80                    012153.00
              B,SERS        -BITS IN IX 9.                      1304.10 00                    012153.40
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50       012154.00
        BRZ,$+1.32                                              12156.74 C2                    012155.00
        SIC,SEN                                                  1310.00 80                    012155.40
              B,SERS        -BITS IN IX 10.                     1304.10 00                    012156.00
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50       012156.40
        BRZ,$+1.32                                              12161.34 C2                    012157.40
        SIC,SEN                                                  1310.00 80                    012160.00
              B,SERS        -BITS IN IX 11.                     1304.10 00                    012160.40
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50       012161.00
        BRZ,$+1.32                                              12163.74 C2                    012162.00
        SIC,SEN                                                  1310.00 80                    012162.40
              B,SERS        -BITS IN IX 12.                     1304.10 00                    012163.00
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50       012163.40
        BRZ,$+1.32                                              12166.34 C2                    012164.40
        SIC,SEN                                                  1310.00 80                    012165.00
              B,SERS        -BITS IN IX 13.                     1304.10 00                    012165.40
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50       012166.00
        BRZ,$+1.32                                              12170.74 C2                    012167.00
        SIC,SEN                                                  1310.00 80                    012167.40
              B,SERS        -BITS IN IX 14.                     1304.10 00                    012170.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50       012170.40
        BRZ,$+1.32                                              12173.34 C2                    012171.40
        SIC,SEN                                                  1310.00 80                    012172.00
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                B,SERS          -BITS IN IX 15.                 1304.10 00      012172.40
        B,$+1,0                                                 12174.10 00     012173.00
        BD,1089                                                 12122.04 00     012173.40
        SIC,SEN0+,32                                            1311.40 80      012174.00
        B,SSW           -TO SSIP                                1301.10 00      012174.40
        BD,$+,32                                                12175.44 00     012175.00

        LX,$X13,IC208   -UPDATE CONTINUITY CHECK.               12675.32 10     012175.40
        V+,$X13,BIT8                                            17336.32 B0     012176.00
        SX,$X13,IC208                                           12675.33 10     012176.40
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10810   SIC,108S17          -LOAD INDEX 9 AND CHK NO OTHERS     12757.00 80                012177.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.    12677.10 00                012177.40
        LX,$X9,1000                                             17307.22 10                012200.00
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50   012200.40
        SIC,SEN                                                  1310.00 80                012201.40
              BRZ,SERS      -NO BITS IN IX 9.                    1304.34 C2                012202.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50   012202.40
        BRZ,$+1.32                                              12205.34 C2                012203.40
        SIC,SEN                                                  1310.00 80                012204.00
              B,SERS        -BITS IN IX 0.                       1304.10 00                012204.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50   012205.00
        BRZ,$+1.32                                              12207.74 C2                012206.00
        SIC,SEN                                                  1310.00 80                012206.40
              B,SERS        -BITS IN IX 1.                       1304.10 00                012207.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50   012207.40
        BRZ,$+1.32                                              12212.34 C2                012210.40
        SIC,SEN                                                  1310.00 80                012211.00
              B,SERS        -BITS IN IX 2.                       1304.10 00                012211.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50   012212.00
        BRZ,$+1.32                                              12214.74 C2                012213.00
        SIC,SEN                                                  1310.00 80                012213.40
              B,SERS        -BITS IN IX 3.                       1304.10 00                012214.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50   012214.40
        BRZ,$+1.32                                              12217.34 C2                012215.40
        SIC,SEN                                                  1310.00 80                012216.00
              B,SERS        -BITS IN IX 4.                       1304.10 00                012216.40
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50   012217.00
        BRZ,$+1.32                                              12221.74 C2                012220.00
        SIC,SEN                                                  1310.00 80                012220.40
              B,SERS        -BITS IN IX 5.                       1304.10 00                012221.00
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50   012221.40
        BRZ,$+1.32                                              12224.34 C2                012222.40
        SIC,SEN                                                  1310.00 80                012223.00
              B,SERS        -BITS IN IX 6.                       1304.10 00                012223.40
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50   012224.00
        BRZ,$+1.32                                              12226.74 C2                012225.00
        SIC,SEN                                                  1310.00 80                012225.40
              B,SERS        -BITS IN IX 7.                       1304.10 00                012226.00
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50   012226.40
        BRZ,$+1.32                                              12231.34 C2                012227.40
        SIC,SEN                                                  1310.00 80                012230.00
              B,SERS        -BITS IN IX 8.                       1304.10 00                012230.40
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50   012231.00
        BRZ,$+1.32                                              12233.74 C2                012232.00
        SIC,SEN                                                  1310.00 80                012232.40
              B,SERS        -BITS IN IX 10.                      1304.10 00                012233.00
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50   012233.40
        BRZ,$+1.32                                              12236.34 C2                012234.40
        SIC,SEN                                                  1310.00 80                012235.00
              B,SERS        -BITS IN IX 11.                      1304.10 00                012235.40
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50   012236.00
        BRZ,$+1.32                                              12240.74 C2                012237.00
        SIC,SEN                                                  1310.00 80                012237.40
              B,SERS        -BITS IN IX 12.                      1304.10 00                012240.00
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50   012240.40
        BRZ,$+1.32                                              12243.34 C2                012241.40
        SIC,SEN                                                  1310.00 80                012242.00
              B,SERS        -BITS IN IX 13.                      1304.10 00                012242.40
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50   012243.00
        BRZ,$+1.32                                              12245.74 C2                012244.00
        SIC,SEN                                                  1310.00 80                012244.40
              B,SERS        -BITS IN IX 14.                      1304.10 00                012245.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50   012245.40
        BRZ,$+1.32                                              12250.34 C2                012246.40
        SIC,SEN                                                  1310.00 80                012247.00
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          B,SERS          -BITS IN IX 15.          1304.10 00      012247.40
B,$+1,0                                            12251.10 00      012250.00
BD,10810                                           12177.04 00      012250.40
SIC,SEN0+,32                                       1311.40 80       012251.00
B,SSW             -TO SSIP                         1301.10 00       012251.40
BD,$+,32                                           12252.44 00      012252.00

LX,$X13,IC208     -UPDATE CONTINUITY CHECK.        12675.32 10      012252.40
V+,$X13,BIT9                                       17337.32 B0      012253.00
SX,$X13,IC208                                      12675.33 10      012253.40
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 10811  SIC,108S17          -LOAD INDEX 10 AND CHK NO OTHERS     12757.00 80                    012254.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.     12677.10 00                    012254.40
        LX,$X10,1000                                             17307.24 10                    012255.00
        L%BU,64,8¤,26.0                                             32.00 80 000000.20 50       012255.40
        SIC,SEN                                                   1310.00 80                    012256.40
              BRZ,SERS      -NO BITS IN IX 10.                    1304.34 C2                    012257.00
        L%BU,64,8¤,16.0                                             20.00 80 000000.20 50       012257.40
        BRZ,$+1.32                                               12262.34 C2                    012260.40
        SIC,SEN                                                   1310.00 80                    012261.00
              B,SERS        -BITS IN IX 0.                        1304.10 00                    012261.40
        L%BU,64,8¤,17.0                                             21.00 80 000000.20 50       012262.00
        BRZ,$+1.32                                               12264.74 C2                    012263.00
        SIC,SEN                                                   1310.00 80                    012263.40
              B,SERS        -BITS IN IX 1.                        1304.10 00                    012264.00
        L%BU,64,8¤,18.0                                             22.00 80 000000.20 50       012264.40
        BRZ,$+1.32                                               12267.34 C2                    012265.40
        SIC,SEN                                                   1310.00 80                    012266.00
              B,SERS        -BITS IN IX 2.                        1304.10 00                    012266.40
        L%BU,64,8¤,19.0                                             23.00 80 000000.20 50       012267.00
        BRZ,$+1.32                                               12271.74 C2                    012270.00
        SIC,SEN                                                   1310.00 80                    012270.40
              B,SERS        -BITS IN IX 3.                        1304.10 00                    012271.00
        L%BU,64,8¤,20.0                                             24.00 80 000000.20 50       012271.40
        BRZ,$+1.32                                               12274.34 C2                    012272.40
        SIC,SEN                                                   1310.00 80                    012273.00
              B,SERS        -BITS IN IX 4.                        1304.10 00                    012273.40
        L%BU,64,8¤,21.0                                             25.00 80 000000.20 50       012274.00
        BRZ,$+1.32                                               12276.74 C2                    012275.00
        SIC,SEN                                                   1310.00 80                    012275.40
              B,SERS        -BITS IN IX 5.                        1304.10 00                    012276.00
        L%BU,64,8¤,22.0                                             26.00 80 000000.20 50       012276.40
        BRZ,$+1.32                                               12301.34 C2                    012277.40
        SIC,SEN                                                   1310.00 80                    012300.00
              B,SERS        -BITS IN IX 6.                        1304.10 00                    012300.40
        L%BU,64,8¤,23.0                                             27.00 80 000000.20 50       012301.00
        BRZ,$+1.32                                               12303.74 C2                    012302.00
        SIC,SEN                                                   1310.00 80                    012302.40
              B,SERS        -BITS IN IX 7.                        1304.10 00                    012303.00
        L%BU,64,8¤,24.0                                             30.00 80 000000.20 50       012303.40
        BRZ,$+1.32                                               12306.34 C2                    012304.40
        SIC,SEN                                                   1310.00 80                    012305.00
              B,SERS        -BITS IN IX 8.                        1304.10 00                    012305.40
        L%BU,64,8¤,25.0                                             31.00 80 000000.20 50       012306.00
        BRZ,$+1.32                                               12310.74 C2                    012307.00
        SIC,SEN                                                   1310.00 80                    012307.40
              B,SERS        -BITS IN IX 9.                        1304.10 00                    012310.00
        L%BU,64,8¤,27.0                                             33.00 80 000000.20 50       012310.40
        BRZ,$+1.32                                               12313.34 C2                    012311.40
        SIC,SEN                                                   1310.00 80                    012312.00
              B,SERS        -BITS IN IX 11.                       1304.10 00                    012312.40
        L%BU,64,8¤,28.0                                             34.00 80 000000.20 50       012313.00
        BRZ,$+1.32                                               12315.74 C2                    012314.00
        SIC,SEN                                                   1310.00 80                    012314.40
              B,SERS        -BITS IN IX 12.                       1304.10 00                    012315.00
        L%BU,64,8¤,29.0                                             35.00 80 000000.20 50       012315.40
        BRZ,$+1.32                                               12320.34 C2                    012316.40
        SIC,SEN                                                   1310.00 80                    012317.00
              B,SERS        -BITS IN IX 13.                       1304.10 00                    012317.40
        L%BU,64,8¤,30.0                                             36.00 80 000000.20 50       012320.00
        BRZ,$+1.32                                               12322.74 C2                    012321.00
        SIC,SEN                                                   1310.00 80                    012321.40
              B,SERS        -BITS IN IX 14.                       1304.10 00                    012322.00
        L%BU,64,8¤,31.0                                             37.00 80 000000.20 50       012322.40
        BRZ,$+1.32                                               12325.34 C2                    012323.40
        SIC,SEN                                                   1310.00 80                    012324.00
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          B,SERS      -BITS IN IX 15.          1304.10 00      012324.40
B,$+1,0                                        12326.10 00      012325.00
BD,!0811                                       12254.04 00      012325.40
SIC,SEN0+,32                                   1311.40 80       012326.00
B,SSW                 -TO SSIP                 1301.10 00       012326.40
BD,$+,32                                       12327.44 00      012327.00

LX,$X13,IC208         -UPDATE CONTINUITY CHECK. 12675.32 10     012327.40
V+,$X13,BIT10                                  17340.32 B0      012330.00
SX,$X13,IC208                                  12675.33 10      012330.40
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10812   SIC,108S17          -LOAD INDEX 11 AND CHK NO OTHERS    12757.00 80                  012331.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.    12677.10 00                  012331.40
        LX,$X11,1000                                            17307.26 10                  012332.00
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50     012332.40
        SIC,SEN                                                  1310.00 80                  012333.40
              BRZ,SERS      -NO BITS IN IX 11.                  1304.34 C2                  012334.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50     012334.40
        BRZ,$+1.32                                              12337.34 C2                  012335.40
        SIC,SEN                                                  1310.00 80                  012336.00
              B,SERS        -BITS IN IX 0.                      1304.10 00                  012336.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50     012337.00
        BRZ,$+1.32                                              12341.74 C2                  012340.00
        SIC,SEN                                                  1310.00 80                  012340.40
              B,SERS        -BITS IN IX 1.                      1304.10 00                  012341.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50     012341.40
        BRZ,$+1.32                                              12344.34 C2                  012342.40
        SIC,SEN                                                  1310.00 80                  012343.00
              B,SERS        -BITS IN IX 2.                      1304.10 00                  012343.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50     012344.00
        BRZ,$+1.32                                              12346.74 C2                  012345.00
        SIC,SEN                                                  1310.00 80                  012345.40
              B,SERS        -BITS IN IX 3.                      1304.10 00                  012346.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50     012346.40
        BRZ,$+1.32                                              12351.34 C2                  012347.40
        SIC,SEN                                                  1310.00 80                  012350.00
              B,SERS        -BITS IN IX 4.                      1304.10 00                  012350.40
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50     012351.00
        BRZ,$+1.32                                              12353.74 C2                  012352.00
        SIC,SEN                                                  1310.00 80                  012352.40
              B,SERS        -BITS IN IX 5.                      1304.10 00                  012353.00
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50     012353.40
        BRZ,$+1.32                                              12356.34 C2                  012354.40
        SIC,SEN                                                  1310.00 80                  012355.00
              B,SERS        -BITS IN IX 6.                      1304.10 00                  012355.40
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50     012356.00
        BRZ,$+1.32                                              12360.74 C2                  012357.00
        SIC,SEN                                                  1310.00 80                  012357.40
              B,SERS        -BITS IN IX 7.                      1304.10 00                  012360.00
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50     012360.40
        BRZ,$+1.32                                              12363.34 C2                  012361.40
        SIC,SEN                                                  1310.00 80                  012362.00
              B,SERS        -BITS IN IX 8.                      1304.10 00                  012362.40
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50     012363.00
        BRZ,$+1.32                                              12365.74 C2                  012364.00
        SIC,SEN                                                  1310.00 80                  012364.40
              B,SERS        -BITS IN IX 9.                      1304.10 00                  012365.00
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50     012365.40
        BRZ,$+1.32                                              12370.34 C2                  012366.40
        SIC,SEN                                                  1310.00 80                  012367.00
              B,SERS        -BITS IN IX 10.                     1304.10 00                  012367.40
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50     012370.00
        BRZ,$+1.32                                              12372.74 C2                  012371.00
        SIC,SEN                                                  1310.00 80                  012371.40
              B,SERS        -BITS IN IX 12.                     1304.10 00                  012372.00
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50     012372.40
        BRZ,$+1.32                                              12375.34 C2                  012373.40
        SIC,SEN                                                  1310.00 80                  012374.00
              B,SERS        -BITS IN IX 13.                     1304.10 00                  012374.40
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50     012375.00
        BRZ,$+1.32                                              12377.74 C2                  012376.00
        SIC,SEN                                                  1310.00 80                  012376.40
              B,SERS        -BITS IN IX 14.                     1304.10 00                  012377.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50     012377.40
        BRZ,$+1.32                                              12402.34 C2                  012400.40
        SIC,SEN                                                  1310.00 80                  012401.00
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                B,SERS          -BITS IN IX 15.                 1304.10 00      012401.40
B,$+1,0                                                         12403.10 00     012402.00
BD,10812                                                        12331.04 00     012402.40
SIC,SEN0+,32                                                    1311.40 80      012403.00
B,SSW           -TO SSIP                                        1301.10 00      012403.40
BD,$+,32                                                        12404.44 00     012404.00

LX,$X13,IC208   -UPDATE CONTINUITY CHECK.                       12675.32 10     012404.40
V+,$X13,BIT11                                                   17341.32 B0     012405.00
SX,$X13,IC208                                                   12675.33 10     012405.40
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 10813  SIC,108S17          -LOAD INDEX 12 AND CHK NO OTHERS     12757.00 80                012406.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.     12677.10 00                012406.40
        LX,$X12,1000                                             17307.30 10                012407.00
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50    012407.40
        SIC,SEN                                                  1310.00 80                 012410.40
              BRZ,SERS      -NO BITS IN IX 12.                   1304.34 C2                 012411.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50    012411.40
        BRZ,$+1.32                                               12414.34 C2                012412.40
        SIC,SEN                                                  1310.00 80                 012413.00
              B,SERS        -BITS IN IX 0.                       1304.10 00                 012413.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50    012414.00
        BRZ,$+1.32                                               12416.74 C2                012415.00
        SIC,SEN                                                  1310.00 80                 012415.40
              B,SERS        -BITS IN IX 1.                       1304.10 00                 012416.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50    012416.40
        BRZ,$+1.32                                               12421.34 C2                012417.40
        SIC,SEN                                                  1310.00 80                 012420.00
              B,SERS        -BITS IN IX 2.                       1304.10 00                 012420.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50    012421.00
        BRZ,$+1.32                                               12423.74 C2                012422.00
        SIC,SEN                                                  1310.00 80                 012422.40
              B,SERS        -BITS IN IX 3.                       1304.10 00                 012423.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50    012423.40
        BRZ,$+1.32                                               12426.34 C2                012424.40
        SIC,SEN                                                  1310.00 80                 012425.00
              B,SERS        -BITS IN IX 4.                       1304.10 00                 012425.40
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50    012426.00
        BRZ,$+1.32                                               12430.74 C2                012427.00
        SIC,SEN                                                  1310.00 80                 012427.40
              B,SERS        -BITS IN IX 5.                       1304.10 00                 012430.00
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50    012430.40
        BRZ,$+1.32                                               12433.34 C2                012431.40
        SIC,SEN                                                  1310.00 80                 012432.00
              B,SERS        -BITS IN IX 6.                       1304.10 00                 012432.40
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50    012433.00
        BRZ,$+1.32                                               12435.74 C2                012434.00
        SIC,SEN                                                  1310.00 80                 012434.40
              B,SERS        -BITS IN IX 7.                       1304.10 00                 012435.00
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50    012435.40
        BRZ,$+1.32                                               12440.34 C2                012436.40
        SIC,SEN                                                  1310.00 80                 012437.00
              B,SERS        -BITS IN IX 8.                       1304.10 00                 012437.40
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50    012440.00
        BRZ,$+1.32                                               12442.74 C2                012441.00
        SIC,SEN                                                  1310.00 80                 012441.40
              B,SERS        -BITS IN IX 9.                       1304.10 00                 012442.00
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50    012442.40
        BRZ,$+1.32                                               12445.34 C2                012443.40
        SIC,SEN                                                  1310.00 80                 012444.00
              B,SERS        -BITS IN IX 10.                      1304.10 00                 012444.40
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50    012445.00
        BRZ,$+1.32                                               12447.74 C2                012446.00
        SIC,SEN                                                  1310.00 80                 012446.40
              B,SERS        -BITS IN IX 11.                      1304.10 00                 012447.00
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50    012447.40
        BRZ,$+1.32                                               12452.34 C2                012450.40
        SIC,SEN                                                  1310.00 80                 012451.00
              B,SERS        -BITS IN IX 13.                      1304.10 00                 012451.40
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50    012452.00
        BRZ,$+1.32                                               12454.74 C2                012453.00
        SIC,SEN                                                  1310.00 80                 012453.40
              B,SERS        -BITS IN IX 14.                      1304.10 00                 012454.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50    012454.40
        BRZ,$+1.32                                               12457.34 C2                012455.40
        SIC,SEN                                                  1310.00 80                 012456.00
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                B,SERS          -BITS IN IX 15.                 12304.10 00     012456.40
B,$+1,0                                                         12460.10 00     012457.00
BD,I0813                                                        12406.04 00     012457.40
SIC,SEN0+,32                                                    1311.40 80      012460.00
B,SSW           -TO SSIP                                        1301.10 00      012460.40
BD,$+,32                                                        12461.44 00     012461.00

LX,$X13,IC208   -UPDATE CONTINUITY CHECK.                       12675.32 10     012461.40
V+,$X13,BIT12                                                   17342.32 B0     012462.00
SX,$X13,IC208                                                   12675.33 10     012462.40
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 10814  SIC,108S17          -LOAD INDEX 13 AND CHK NO OTHERS     12757.00 80                    012463.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.     12677.10 00                    012463.40
        LX,$X13,1000                                             17307.32 10                    012464.00
        L%BU,64,8¤,29.0                                             35.00 80 000000.20 50       012464.40
        SIC,SEN                                                   1310.00 80                    012465.40
              BRZ,SERS      -NO BITS IN IX 13.                    1304.34 C2                    012466.00
        L%BU,64,8¤,16.0                                             20.00 80 000000.20 50       012466.40
        BRZ,$+1.32                                               12471.34 C2                    012467.40
        SIC,SEN                                                   1310.00 80                    012470.00
              B,SERS        -BITS IN IX 0.                        1304.10 00                    012470.40
        L%BU,64,8¤,17.0                                             21.00 80 000000.20 50       012471.00
        BRZ,$+1.32                                               12473.74 C2                    012472.00
        SIC,SEN                                                   1310.00 80                    012472.40
              B,SERS        -BITS IN IX 1.                        1304.10 00                    012473.00
        L%BU,64,8¤,18.0                                             22.00 80 000000.20 50       012473.40
        BRZ,$+1.32                                               12476.34 C2                    012474.40
        SIC,SEN                                                   1310.00 80                    012475.00
              B,SERS        -BITS IN IX 2.                        1304.10 00                    012475.40
        L%BU,64,8¤,19.0                                             23.00 80 000000.20 50       012476.00
        BRZ,$+1.32                                               12500.74 C2                    012477.00
        SIC,SEN                                                   1310.00 80                    012477.40
              B,SERS        -BITS IN IX 3.                        1304.10 00                    012500.00
        L%BU,64,8¤,20.0                                             24.00 80 000000.20 50       012500.40
        BRZ,$+1.32                                               12503.34 C2                    012501.40
        SIC,SEN                                                   1310.00 80                    012502.00
              B,SERS        -BITS IN IX 4.                        1304.10 00                    012502.40
        L%BU,64,8¤,21.0                                             25.00 80 000000.20 50       012503.00
        BRZ,$+1.32                                               12505.74 C2                    012504.00
        SIC,SEN                                                   1310.00 80                    012504.40
              B,SERS        -BITS IN IX 5.                        1304.10 00                    012505.00
        L%BU,64,8¤,22.0                                             26.00 80 000000.20 50       012505.40
        BRZ,$+1.32                                               12510.34 C2                    012506.40
        SIC,SEN                                                   1310.00 80                    012507.00
              B,SERS        -BITS IN IX 6.                        1304.10 00                    012507.40
        L%BU,64,8¤,23.0                                             27.00 80 000000.20 50       012510.00
        BRZ,$+1.32                                               12512.74 C2                    012511.00
        SIC,SEN                                                   1310.00 80                    012511.40
              B,SERS        -BITS IN IX 7.                        1304.10 00                    012512.00
        L%BU,64,8¤,24.0                                             30.00 80 000000.20 50       012512.40
        BRZ,$+1.32                                               12515.34 C2                    012513.40
        SIC,SEN                                                   1310.00 80                    012514.00
              B,SERS        -BITS IN IX 8.                        1304.10 00                    012514.40
        L%BU,64,8¤,25.0                                             31.00 80 000000.20 50       012515.00
        BRZ,$+1.32                                               12517.74 C2                    012516.00
        SIC,SEN                                                   1310.00 80                    012516.40
              B,SERS        -BITS IN IX 9.                        1304.10 00                    012517.00
        L%BU,64,8¤,26.0                                             32.00 80 000000.20 50       012517.40
        BRZ,$+1.32                                               12522.34 C2                    012520.40
        SIC,SEN                                                   1310.00 80                    012521.00
              B,SERS        -BITS IN IX 10.                       1304.10 00                    012521.40
        L%BU,64,8¤,27.0                                             33.00 80 000000.20 50       012522.00
        BRZ,$+1.32                                               12524.74 C2                    012523.00
        SIC,SEN                                                   1310.00 80                    012523.40
              B,SERS        -BITS IN IX 11.                       1304.10 00                    012524.00
        L%BU,64,8¤,28.0                                             34.00 80 000000.20 50       012524.40
        BRZ,$+1.32                                               12527.34 C2                    012525.40
        SIC,SEN                                                   1310.00 80                    012526.00
              B,SERS        -BITS IN IX 12.                       1304.10 00                    012526.40
        L%BU,64,8¤,30.0                                             36.00 80 000000.20 50       012527.00
        BRZ,$+1.32                                               12531.74 C2                    012530.00
        SIC,SEN                                                   1310.00 80                    012530.40
              B,SERS        -BITS IN IX 14.                       1304.10 00                    012531.00
        L%BU,64,8¤,31.0                                             37.00 80 000000.20 50       012531.40
        BRZ,$+1.32                                               12534.34 C2                    012532.40
        SIC,SEN                                                   1310.00 80                    012533.00
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                B,SERS          -BITS IN TX 15.                 12504.10 00     012535.40
B,$+1.0                                                         12535.10 00     012534.00
BD,I0814                                                        12463.04 00     012534.40
SIC,SEN0+.32                                                     1311.40 80     012535.00
B,SSW           -TO SSIP                                        1301.10 00      012535.40
BD,$+.32                                                        12536.44 00     012536.00

LX,$X13,IC208   -UPDATE CONTINUITY CHECK.                       12675.32 10     012536.40
V+,$X13,BIT13                                                   17343.32 B0     012537.00
SX,$X13,IC208                                                   12675.33 10     012537.40
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10815   SIC,108S17          -LOAD INDEX 14 AND CHK NO OTHERS    12757.00 80                012540.00
        B,108S1             -GET DATA.CLR ALL IX REGS FIRST.    12677.10 00                012540.40
        LX,$X14,1000                                            17307.34 10                012541.00
        L%BU,64,8¤,30.0                                            36.00 80 000000.20 50   012541.40
        SIC,SEN                                                  1310.00 80                012542.40
              BRZ,SERS      -NO BITS IN IX 14.                   1304.34 C2                012543.00
        L%BU,64,8¤,16.0                                            20.00 80 000000.20 50   012543.40
        BRZ,$+1.32                                              12546.34 C2                012544.40
        SIC,SEN                                                  1310.00 80                012545.00
              B,SERS        -BITS IN IX 0.                       1304.10 00                012545.40
        L%BU,64,8¤,17.0                                            21.00 80 000000.20 50   012546.00
        BRZ,$+1.32                                              12550.74 C2                012547.00
        SIC,SEN                                                  1310.00 80                012547.40
              B,SERS        -BITS IN IX 1.                       1304.10 00                012550.00
        L%BU,64,8¤,18.0                                            22.00 80 000000.20 50   012550.40
        BRZ,$+1.32                                              12553.34 C2                012551.40
        SIC,SEN                                                  1310.00 80                012552.00
              B,SERS        -BITS IN IX 2.                       1304.10 00                012552.40
        L%BU,64,8¤,19.0                                            23.00 80 000000.20 50   012553.00
        BRZ,$+1.32                                              12555.74 C2                012554.00
        SIC,SEN                                                  1310.00 80                012554.40
              B,SERS        -BITS IN IX 3.                       1304.10 00                012555.00
        L%BU,64,8¤,20.0                                            24.00 80 000000.20 50   012555.40
        BRZ,$+1.32                                              12560.34 C2                012556.40
        SIC,SEN                                                  1310.00 80                012557.00
              B,SERS        -BITS IN IX 4.                       1304.10 00                012557.40
        L%BU,64,8¤,21.0                                            25.00 80 000000.20 50   012560.00
        BRZ,$+1.32                                              12562.74 C2                012561.00
        SIC,SEN                                                  1310.00 80                012561.40
              B,SERS        -BITS IN IX 5.                       1304.10 00                012562.00
        L%BU,64,8¤,22.0                                            26.00 80 000000.20 50   012562.40
        BRZ,$+1.32                                              12565.34 C2                012563.40
        SIC,SEN                                                  1310.00 80                012564.00
              B,SERS        -BITS IN IX 6.                       1304.10 00                012564.40
        L%BU,64,8¤,23.0                                            27.00 80 000000.20 50   012565.00
        BRZ,$+1.32                                              12567.74 C2                012566.00
        SIC,SEN                                                  1310.00 80                012566.40
              B,SERS        -BITS IN IX 7.                       1304.10 00                012567.00
        L%BU,64,8¤,24.0                                            30.00 80 000000.20 50   012567.40
        BRZ,$+1.32                                              12572.34 C2                012570.40
        SIC,SEN                                                  1310.00 80                012571.00
              B,SERS        -BITS IN IX 8.                       1304.10 00                012571.40
        L%BU,64,8¤,25.0                                            31.00 80 000000.20 50   012572.00
        BRZ,$+1.32                                              12574.74 C2                012573.00
        SIC,SEN                                                  1310.00 80                012573.40
              B,SERS        -BITS IN IX 9.                       1304.10 00                012574.00
        L%BU,64,8¤,26.0                                            32.00 80 000000.20 50   012574.40
        BRZ,$+1.32                                              12577.34 C2                012575.40
        SIC,SEN                                                  1310.00 80                012576.00
              B,SERS        -BITS IN IX 10.                      1304.10 00                012576.40
        L%BU,64,8¤,27.0                                            33.00 80 000000.20 50   012577.00
        BRZ,$+1.32                                              12601.74 C2                012600.00
        SIC,SEN                                                  1310.00 80                012600.40
              B,SERS        -BITS IN IX 11.                      1304.10 00                012601.00
        L%BU,64,8¤,28.0                                            34.00 80 000000.20 50   012601.40
        BRZ,$+1.32                                              12604.34 C2                012602.40
        SIC,SEN                                                  1310.00 80                012603.00
              B,SERS        -BITS IN IX 12.                      1304.10 00                012603.40
        L%BU,64,8¤,29.0                                            35.00 80 000000.20 50   012604.00
        BRZ,$+1.32                                              12606.74 C2                012605.00
        SIC,SEN                                                  1310.00 80                012605.40
              B,SERS        -BITS IN IX 13.                      1304.10 00                012606.00
        L%BU,64,8¤,31.0                                            37.00 80 000000.20 50   012606.40
        BRZ,$+1.32                                              12611.34 C2                012607.40
        SIC,SEN                                                  1310.00 80                012610.00
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                B,SERS          -BITS IN IX 15.                 12304.10 00     012610.40
                B,$+1.0                                         12612.10 00     012611.00
                BD,I0815                                        12540.04 00     012611.40
                SIC,SEN0+.32                                     1311.40 80     012612.00
                B,SSW           -TO SSIP                         1301.10 00     012612.40
                BD,$+.32                                        12613.44 00     012613.00

                LX,$X13,IC208   -UPDATE CONTINUITY CHECK.       12675.32 10     012613.40
                V+,$X13,BIT14                                   17344.32 80     012614.00
                SX,$X13,IC208                                   12675.33 10     012614.40
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10816  SIC,108S17        -LOAD INDEX 15 AND CHK NO OTHERS   12757.00 80                    012615.00
       B,108S1           -GET DATA.CLR ALL IX REGS FIRST.   12677.10 00                    012615.40
       LX,$X15,1000                                         17307.36 10                    012616.00
       L%BU,64,8¤,31.0                                         37.00 80 000000.20 50       012616.40
       SIC,SEN                                               1310.00 80                    012617.40
            BRZ,SERS     -NO BITS IN IX 15.                 1304.34 C2                    012620.00
       L%BU,64,8¤,16.0                                         20.00 80 000000.20 50       012620.40
       BRZ,$+1.32                                         12623.34 C2                    012621.40
       SIC,SEN                                               1310.00 80                    012622.00
            B,SERS       -BITS IN IX 0.                     1304.10 00                    012622.40
       L%BU,64,8¤,17.0                                         21.00 80 000000.20 50       012623.00
       BRZ,$+1.32                                         12625.74 C2                    012624.00
       SIC,SEN                                               1310.00 80                    012624.40
            B,SERS       -BITS IN IX 1.                     1304.10 00                    012625.00
       L%BU,64,8¤,18.0                                         22.00 80 000000.20 50       012625.40
       BRZ,$+1.32                                         12630.34 C2                    012626.40
       SIC,SEN                                               1310.00 80                    012627.00
            B,SERS       -BITS IN IX 2.                     1304.10 00                    012627.40
       L%BU,64,8¤,19.0                                         23.00 80 000000.20 50       012630.00
       BRZ,$+1.32                                         12632.74 C2                    012631.00
       SIC,SEN                                               1310.00 80                    012631.40
            B,SERS       -BITS IN IX 3.                     1304.10 00                    012632.00
       L%BU,64,8¤,20.0                                         24.00 80 000000.20 50       012632.40
       BRZ,$+1.32                                         12635.34 C2                    012633.40
       SIC,SEN                                               1310.00 80                    012634.00
            B,SERS       -BITS IN IX 4.                     1304.10 00                    012634.40
       L%BU,64,8¤,21.0                                         25.00 80 000000.20 50       012635.00
       BRZ,$+1.32                                         12637.74 C2                    012636.00
       SIC,SEN                                               1310.00 80                    012636.40
            B,SERS       -BITS IN IX 5.                     1304.10 00                    012637.00
       L%BU,64,8¤,22.0                                         26.00 80 000000.20 50       012637.40
       BRZ,$+1.32                                         12642.34 C2                    012640.40
       SIC,SEN                                               1310.00 80                    012641.00
            B,SERS       -BITS IN IX 6.                     1304.10 00                    012641.40
       L%BU,64,8¤,23.0                                         27.00 80 000000.20 50       012642.00
       BRZ,$+1.32                                         12644.74 C2                    012643.00
       SIC,SEN                                               1310.00 80                    012643.40
            B,SERS       -BITS IN IX 7.                     1304.10 00                    012644.00
       L%BU,64,8¤,24.0                                         30.00 80 000000.20 50       012644.40
       BRZ,$+1.32                                         12647.34 C2                    012645.40
       SIC,SEN                                               1310.00 80                    012646.00
            B,SERS       -BITS IN IX 8.                     1304.10 00                    012646.40
       L%BU,64,8¤,25.0                                         31.00 80 000000.20 50       012647.00
       BRZ,$+1.32                                         12651.74 C2                    012650.00
       SIC,SEN                                               1310.00 80                    012650.40
            B,SERS       -BITS IN IX 9.                     1304.10 00                    012651.00
       L%BU,64,8¤,26.0                                         32.00 80 000000.20 50       012651.40
       BRZ,$+1.32                                         12654.34 C2                    012652.40
       SIC,SEN                                               1310.00 80                    012653.00
            B,SERS       -BITS IN IX 10.                    1304.10 00                    012653.40
       L%BU,64,8¤,27.0                                         33.00 80 000000.20 50       012654.00
       BRZ,$+1.32                                         12656.74 C2                    012655.00
       SIC,SEN                                               1310.00 80                    012655.40
            B,SERS       -BITS IN IX 11.                    1304.10 00                    012656.00
       L%BU,64,8¤,28.0                                         34.00 80 000000.20 50       012656.40
       BRZ,$+1.32                                         12661.34 C2                    012657.40
       SIC,SEN                                               1310.00 80                    012660.00
            B,SERS       -BITS IN IX 12.                    1304.10 00                    012660.40
       L%BU,64,8¤,29.0                                         35.00 80 000000.20 50       012661.00
       BRZ,$+1.32                                         12663.74 C2                    012662.00
       SIC,SEN                                               1310.00 80                    012662.40
            B,SERS       -BITS IN IX 13.                    1304.10 00                    012663.00
       L%BU,64,8¤,30.0                                         36.00 80 000000.20 50       012663.40
       BRZ,$+1.32                                         12666.34 C2                    012664.40
       SIC,SEN                                               1310.00 80                    012665.00
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                B,SERS          -BITS IN IX 14.                 1304.10 00                      012665.40
                B,$+1.0                                         12667.10 00                     012666.00
                BD,I0816                                        12615.04 00                     012666.40
                SIC,SEN0+.32                                    1311.40 80                      012667.00
                B,SSW           -TO SSIP                        1301.10 00                      012667.40
                BD,$+.32                                        12670.44 00                     012670.00
                                                                -
                LX,$X13,IC208   -UPDATE CONTINUITY CHECK.       12675.32 10                     012670.40
                V+,$X13,BIT15                                   17345.32 B0                     012671.00
                SX,$X13,IC208                                   12675.33 10                     012671.40
                                                                -
                LX,$X13,IC208   -UPDATE CONTINUITY CHECK.       12675.32 10                     012672.00
                KV,$X13,ICK208                                  12676.32 90                     012672.40
                SIC,SEN                                         1310.00 80                      012673.00
                BZXE,SERS       -CONTINUITY ERROR.              1304.32 C0                      012673.40
                B,I10                                           12757.50 00                     012674.00
                CNOP                                            0.30 00                         012674.40
                                                                -
IC208           XW,0,0,0        -CONTINUITY REG I208.           0.00 00 000000.00 00            012675.00
ICK208          XW,%8¤777774.00,0,0                             777774.00 00 000000.00 00       012676.00
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108S1   Z,16                  -SUBROUTINE TO CLEAR ALL          20.22 00                    012677.00
        L%BU,64,8¤,16.0       -INDEX REGS AND CHECK SAME        20.00 80 000000.20 50       012677.40
        BRZ,108S2                                               12702.34 C2                 012700.40
        SIC,SEN                                                 1310.00 80                  012701.00
                B,SERS        -CANT CLR IX 0.                   1304.10 00                  012701.40
108S2   Z,17                                                    21.22 00                    012702.00
        L%BU,64,8¤,17.0                                         21.00 80 000000.20 50       012702.40
        BRZ,108S3                                               12705.34 C2                 012703.40
        SIC,SEN                                                 1310.00 80                  012704.00
                B,SERS        -CANT CLR IX 1.                   1304.10 00                  012704.40
108S3   Z,18                                                    22.22 00                    012705.00
        L%BU,64,8¤,18.0                                         22.00 80 000000.20 50       012705.40
        BRZ,108S4                                               12710.34 C2                 012706.40
        SIC,SEN                                                 1310.00 80                  012707.00
                B,SERS        -CANT CLR IX 2.                   1304.10 00                  012707.40
108S4   Z,19                                                    23.22 00                    012710.00
        L%BU,64,8¤,19.0                                         23.00 80 000000.20 50       012710.40
        BRZ,108S5                                               12713.34 C2                 012711.40
        SIC,SEN                                                 1310.00 80                  012712.00
                B,SERS        -CANT CLR IX 3.                   1304.10 00                  012712.40
108S5   Z,20                                                    24.22 00                    012713.00
        L%BU,64,8¤,20.0                                         24.00 80 000000.20 50       012713.40
        BRZ,108S6                                               12716.34 C2                 012714.40
        SIC,SEN                                                 1310.00 80                  012715.00
                B,SERS        -CANT CLR IX 4.                   1304.10 00                  012715.40
108S6   Z,21                                                    25.22 00                    012716.00
        L%BU,64,8¤,21.0                                         25.00 80 000000.20 50       012716.40
        BRZ,108S7                                               12721.34 C2                 012717.40
        SIC,SEN                                                 1310.00 80                  012720.00
                B,SERS        -CANT CLR IX 5.                   1304.10 00                  012720.40
108S7   Z,22                                                    26.22 00                    012721.00
        L%BU,64,8¤,22.0                                         26.00 80 000000.20 50       012721.40
        BRZ,108S8                                               12724.34 C2                 012722.40
        SIC,SEN                                                 1310.00 80                  012723.00
                B,SERS        -CANT CLR IX 6.                   1304.10 00                  012723.40
108S8   Z,23                                                    27.22 00                    012724.00
        L%BU,64,8¤,23.0                                         27.00 80 000000.20 50       012724.40
        BRZ,108S9                                               12727.34 C2                 012725.40
        SIC,SEN                                                 1310.00 80                  012726.00
                B,SERS        -CANT CLR IX 7.                   1304.10 00                  012726.40
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108S9    Z,24                                          30.22 00                  012727.00
         L%BU,64,8¤,24.0                               30.00 80 000000.20 50     012727.40
         BRZ,108S10                                 12732.34 C2                  012730.40
         SIC,SEN                                     1310.00 80                  012731.00
              B,SERS      -CANT CLR IX 8.            1304.10 00                  012731.40
108S10   Z,25                                          31.22 00                  012732.00
         L%BU,64,8¤,25.0                               31.00 80 000000.20 50     012732.40
         BRZ,108S11                                 12735.34 C2                  012733.40
         SIC,SEN                                     1310.00 80                  012734.00
              B,SERS      -CANT CLR IX 9.            1304.10 00                  012734.40
108S11   Z,26                                          32.22 00                  012735.00
         L%BU,64,8¤,26.0                               32.00 80 000000.20 50     012735.40
         BRZ,108S12                                 12740.34 C2                  012736.40
         SIC,SEN                                     1310.00 80                  012737.00
              B,SERS      -CANT CLR IX 10.           1304.10 00                  012737.40
108S12   Z,27                                          33.22 00                  012740.00
         L%BU,64,8¤,27.0                               33.00 80 000000.20 50     012740.40
         BRZ,108S13                                 12743.34 C2                  012741.40
         SIC,SEN                                     1310.00 80                  012742.00
              B,SERS      -CANT CLR IX 11.           1304.10 00                  012742.40
108S13   Z,28                                          34.22 00                  012743.00
         L%BU,64,8¤,28.0                               34.00 80 000000.20 50     012743.40
         BRZ,108S14                                 12746.34 C2                  012744.40
         SIC,SEN                                     1310.00 80                  012745.00
              B,SERS      -CANT CLR IX 12.           1304.10 00                  012745.40
108S14   Z,29                                          35.22 00                  012746.00
         L%BU,64,8¤,29.0                               35.00 80 000000.20 50     012746.40
         BRZ,108S15                                 12751.34 C2                  012747.40
         SIC,SEN                                     1310.00 80                  012750.00
              B,SERS      -CANT CLR IX 13.           1304.10 00                  012750.40
108S15   Z,30                                          36.22 00                  012751.00
         L%BU,64,8¤,30.0                               36.00 80 000000.20 50     012751.40
         BRZ,108S16                                 12754.34 C2                  012752.40
         SIC,SEN                                     1310.00 80                  012753.00
              B,SERS      -CANT CLR IX 14.           1304.10 00                  012753.40
108S16   Z,31                                          37.22 00                  012754.00
         L%BU,64,8¤,31.0                               37.00 80 000000.20 50     012754.40
         BRZ,108S17                                 12757.34 C2                  012755.40
         SIC,SEN                                     1310.00 80                  012756.00
              B,SERS      -CANT CLR IX 15.           1304.10 00                  012756.40
108S17   $B,0                                          0.10 00                   012757.00
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                -          ---1210---LX FROM INT AND INDEX MEM.
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    1110        LX,$X1,1101D                                  12763.02 10                  012757.40
                SX,$X1,DPET13                                  1437.03 10                  012760.00
                SIC,RET                                        1306.40 80                  012760.40
                B,IDF1                                         1443.10 00                  012761.00
                Z,IC210                                       13427.22 00                  012761.40
                BD,1101                                       12764.04 00                  012762.00
                CNOP                                              0.30 00                  012762.40
    1101D       %IQSZ¤DD%BU,64,8¤,1210    Z                                                012763.00
                -
    1101        L%BU¤,BIT0          -CHK LX FROM INTERNAL MEMORY  17326.00 80 000000.20 50 012764.00
                LX,$X0,$R                                         11.00 10                  012765.00
                KV,$X0,BIT0                                   17326.00 90                  012765.40
                BXE,$+1.32                                    12767.72 C2                  012766.00
                SIC,SEN                                        1310.00 80                  012766.40
                      B,SERS        -BIT 0 FRM RACC TO IX 0 FAILS.  1304.10 00            012767.00
                L%BU¤,BIT1                                    17327.00 80 000000.20 50     012767.40
                LX,$X0,$R                                         11.00 10                  012770.40
                KV,$X0,BIT1                                   17327.00 90                  012771.00
                BXE,$+1.32                                    12773.32 C2                  012771.40
                SIC,SEN                                        1310.00 80                  012772.00
                      B,SERS        -BIT 1 FRM RACC TO IX 0 FAILS.  1304.10 00            012772.40
                L%BU¤,BIT2                                    17330.00 80 000000.20 50     012773.00
                LX,$X0,$R                                         11.00 10                  012774.00
                KV,$X0,BIT2                                   17330.00 90                  012774.40
                BXE,$+1.32                                    12776.72 C2                  012775.00
                SIC,SEN                                        1310.00 80                  012775.40
                      B,SERS        -BIT 2 FRM RACC TO IX 0 FAILS.  1304.10 00            012776.00
                L%BU¤,BIT3                                    17331.00 80 000000.20 50     012776.40
                LX,$X0,$R                                         11.00 10                  012777.40
                KV,$X0,BIT3                                   17331.00 90                  013000.00
                BXE,$+1.32                                    13002.32 C2                  013000.40
                SIC,SEN                                        1310.00 80                  013001.00
                      B,SERS        -BIT 3 FRM RACC TO IX 0 FAILS.  1304.10 00            013001.40
                L%BU¤,BIT4                                    17332.00 80 000000.20 50     013002.00
                LX,$X0,$R                                         11.00 10                  013003.00
                KV,$X0,BIT4                                   17332.00 90                  013003.40
                BXE,$+1.32                                    13005.72 C2                  013004.00
                SIC,SEN                                        1310.00 80                  013004.40
                      B,SERS        -BIT 4 FRM RACC TO IX 0 FAILS.  1304.10 00            013005.00
                L%BU¤,BIT5                                    17333.00 80 000000.20 50     013005.40
                LX,$X0,$R                                         11.00 10                  013006.40
                KV,$X0,BIT5                                   17333.00 90                  013007.00
                BXE,$+1.32                                    13011.32 C2                  013007.40
                SIC,SEN                                        1310.00 80                  013010.00
                      B,SERS        -BIT 5 FRM RACC TO IX 0 FAILS.  1304.10 00            013010.40
                L%BU¤,BIT6                                    17334.00 80 000000.20 50     013011.00
                LX,$X0,$R                                         11.00 10                  013012.00
                KV,$X0,BIT6                                   17334.00 90                  013012.40
                BXE,$+1.32                                    13014.72 C2                  013013.00
                SIC,SEN                                        1310.00 80                  013013.40
                      B,SERS        -BIT 6 FRM RACC TO IX 0 FAILS.  1304.10 00            013014.00
                L%BU¤,BIT7                                    17335.00 80 000000.20 50     013014.40
                LX,$X0,$R                                         11.00 10                  013015.40
                KV,$X0,BIT7                                   17335.00 90                  013016.00
                BXE,$+1.32                                    13020.32 C2                  013016.40
                SIC,SEN                                        1310.00 80                  013017.00
                      B,SERS        -BIT 7 FRM RACC TO IX 0 FAILS.  1304.10 00            013017.40
                L%BU¤,BIT8                                    17336.00 80 000000.20 50     013020.00
                LX,$X0,$R                                         11.00 10                  013021.00
                KV,$X0,BIT8                                   17336.00 90                  013021.40
                BXE,$+1.32                                    13023.72 C2                  013022.00
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SIC,SEN                                          1310.00 80                    013022.40
        B,SERS      -BIT 8 FRM RACC TO IX 0 FAILS.  1304.10 00                    013023.00
L%BU¤,BIT9                                       17337.00 80 000000.20 50      013023.40
LX,$X0,$R                                           11.00 10                   013024.40
KV,$X0,BIT9                                      17337.00 90                   013025.00
BXE,$+1.32                                       13027.32 C2                   013025.40
SIC,SEN                                          1310.00 80                    013026.00
        B,SERS      -BIT 9 FRM RACC TO IX 0 FAILS.  1304.10 00                    013026.40
L%BU¤,BIT10                                      17340.00 80 000000.20 50      013027.00
LX,$X0,$R                                           11.00 10                   013030.00
KV,$X0,BIT10                                     17340.00 90                   013030.40
BXE,$+1.32                                       13032.72 C2                   013031.00
SIC,SEN                                          1310.00 80                    013031.40
        B,SERS      -BIT 10 FRM RACC TO IX 0 FAILS. 1304.10 00                    013032.00
L%BU¤,BIT11                                      17341.00 80 000000.20 50      013032.40
LX,$X0,$R                                           11.00 10                   013033.40
KV,$X0,BIT11                                     17341.00 90                   013034.00
BXE,$+1.32                                       13036.32 C2                   013034.40
SIC,SEN                                          1310.00 80                    013035.00
        B,SERS      -BIT 11 FRM RACC TO IX 0 FAILS. 1304.10 00                    013035.40
L%BU¤,BIT12                                      17342.00 80 000000.20 50      013036.00
LX,$X0,$R                                           11.00 10                   013037.00
KV,$X0,BIT12                                     17342.00 90                   013037.40
BXE,$+1.32                                       13041.72 C2                   013040.00
SIC,SEN                                          1310.00 80                    013040.40
        B,SERS      -BIT 12 FRM RACC TO IX 0 FAILS. 1304.10 00                    013041.00
L%BU¤,BIT13                                      17343.00 80 000000.20 50      013041.40
LX,$X0,$R                                           11.00 10                   013042.40
KV,$X0,BIT13                                     17343.00 90                   013043.00
BXE,$+1.32                                       13045.32 C2                   013043.40
SIC,SEN                                          1310.00 80                    013044.00
        B,SERS      -BIT 13 FRM RACC TO IX 0 FAILS. 1304.10 00                    013044.40
L%BU¤,BIT14                                      17344.00 80 000000.20 50      013045.00
LX,$X0,$R                                           11.00 10                   013046.00
KV,$X0,BIT14                                     17344.00 90                   013046.40
BXE,$+1.32                                       13050.72 C2                   013047.00
SIC,SEN                                          1310.00 80                    013047.40
        B,SERS      -BIT 14 FRM RACC TO IX 0 FAILS. 1304.10 00                    013050.00
L%BU¤,BIT15                                      17345.00 80 000000.20 50      013050.40
LX,$X0,$R                                           11.00 10                   013051.40
KV,$X0,BIT15                                     17345.00 90                   013052.00
BXE,$+1.32                                       13054.32 C2                   013052.40
SIC,SEN                                          1310.00 80                    013053.00
        B,SERS      -BIT 15 FRM RACC TO IX 0 FAILS. 1304.10 00                    013053.40
L%BU¤,BIT16                                      17346.00 80 000000.20 50      013054.00
LX,$X0,$R                                           11.00 10                   013055.00
KV,$X0,BIT16                                     17346.00 90                   013055.40
BXE,$+1.32                                       13057.72 C2                   013056.00
SIC,SEN                                          1310.00 80                    013056.40
        B,SERS      -BIT 16 FRM RACC TO IX 0 FAILS. 1304.10 00                    013057.00
L%BU¤,BIT17                                      17347.00 80 000000.20 50      013057.40
LX,$X0,$R                                           11.00 10                   013060.40
KV,$X0,BIT17                                     17347.00 90                   013061.00
BXE,$+1.32                                       13063.32 C2                   013061.40
SIC,SEN                                          1310.00 80                    013062.00
        B,SERS      -BIT 17 FRM RACC TO IX 0 FAILS. 1304.10 00                    013062.40
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L%BU¤,BIT18                                                  17350.00 80 000000.20 50      013063.00
LX,$X0,$R                                                       11.00 10                   013064.00
KV,$X0,BIT18                                                 17350.00 90                   013064.40
BXE,$+1.32                                                   13066.72 C2                   013065.00
SIC,SEN                                                       1310.00 80                   013065.40
        B,SERS      -BIT 18 FRM RACC TO IX 0 FAILS.           1304.10 00                   013066.00
L%BU¤,BIT19                                                  17351.00 80 000000.20 50      013066.40
LX,$X0,$R                                                       11.00 10                   013067.40
KV,$X0,BIT19                                                 17351.00 90                   013070.00
BXE,$+1.32                                                   13072.32 C2                   013070.40
SIC,SEN                                                       1310.00 80                   013071.00
        B,SERS      -BIT 19 FRM RACC TO IX 0 FAILS.           1304.10 00                   013071.40
L%BU¤,BIT20                                                  17352.00 80 000000.20 50      013072.00
LX,$X0,$R                                                       11.00 10                   013073.00
KV,$X0,BIT20                                                 17352.00 90                   013073.40
BXE,$+1.32                                                   13075.72 C2                   013074.00
SIC,SEN                                                       1310.00 80                   013074.40
        B,SERS      -BIT 20 FRM RACC TO IX 0 FAILS.           1304.10 00                   013075.00
L%BU¤,BIT21                                                  17353.00 80 000000.20 50      013075.40
LX,$X0,$R                                                       11.00 10                   013076.40
KV,$X0,BIT21                                                 17353.00 90                   013077.00
BXE,$+1.32                                                   13101.32 C2                   013077.40
SIC,SEN                                                       1310.00 80                   013100.00
        B,SERS      -BIT 21 FRM RACC TO IX 0 FAILS.           1304.10 00                   013100.40
L%BU¤,BIT22                                                  17354.00 80 000000.20 50      013101.00
LX,$X0,$R                                                       11.00 10                   013102.00
KV,$X0,BIT22                                                 17354.00 90                   013102.40
BXE,$+1.32                                                   13104.72 C2                   013103.00
SIC,SEN                                                       1310.00 80                   013103.40
        B,SERS      -BIT 22 FRM RACC TO IX 0 FAILS.           1304.10 00                   013104.00
L%BU¤,BIT23                                                  17355.00 80 000000.20 50      013104.40
LX,$X0,$R                                                       11.00 10                   013105.40
KV,$X0,BIT23                                                 17355.00 90                   013106.00
BXE,$+1.32                                                   13110.32 C2                   013106.40
SIC,SEN                                                       1310.00 80                   013107.00
        B,SERS      -BIT 23 FRM RACC TO IX 0 FAILS.           1304.10 00                   013107.40
L%BU¤,BIT24                                                  17356.00 80 000000.20 50      013110.00
LX,$X0,$R                                                       11.00 10                   013111.00
KV,$X0,BIT24                                                 17356.00 90                   013111.40
BXE,$+1.32                                                   13113.72 C2                   013112.00
SIC,SEN                                                       1310.00 80                   013112.40
        B,SERS      -BIT 24 FRM RACC TO IX 0 FAILS.           1304.10 00                   013113.00
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L%BU¤,BIT28                                                  17362.00 80 000000.20 50     013113.40
LX,$X0,$R                                                       11.00 10                  013114.40
KC,$X0,BIT 0                                                 17326.01 90                  013115.00
BXE,$+1.32                                                   13117.32 C2                  013115.40
SIC,SEN                                                       1310.00 80                  013116.00
        B,SERS      -BIT 28 FRM RACC TO IX 0 FAILS.           1304.10 00                  013116.40
L%BU¤,BIT29                                                  17363.00 80 000000.20 50     013117.00
LX,$X0,$R                                                       11.00 10                  013120.00
KC,$X0,BIT 1                                                 17327.01 90                  013120.40
BXE,$+1.32                                                   13122.72 C2                  013121.00
SIC,SEN                                                       1310.00 80                  013121.40
        B,SERS      -BIT 29 FRM RACC TO IX 0 FAILS.           1304.10 00                  013122.00
L%BU¤,BIT30                                                  17364.00 80 000000.20 50     013122.40
LX,$X0,$R                                                       11.00 10                  013123.40
KC,$X0,BIT 2                                                 17330.01 90                  013124.00
BXE,$+1.32                                                   13126.32 C2                  013124.40
SIC,SEN                                                       1310.00 80                  013125.00
        B,SERS      -BIT 30 FRM RACC TO IX 0 FAILS.           1304.10 00                  013125.40
L%BU¤,BIT31                                                  17365.00 80 000000.20 50     013126.00
LX,$X0,$R                                                       11.00 10                  013127.00
KC,$X0,BIT 3                                                 17331.01 90                  013127.40
BXE,$+1.32                                                   13131.72 C2                  013130.00
SIC,SEN                                                       1310.00 80                  013130.40
        B,SERS      -BIT 31 FRM RACC TO IX 0 FAILS.           1304.10 00                  013131.00
L%BU¤,BIT32                                                  17366.00 80 000000.20 50     013131.40
LX,$X0,$R                                                       11.00 10                  013132.40
KC,$X0,BIT 4                                                 17332.01 90                  013133.00
BXE,$+1.32                                                   13135.32 C2                  013133.40
SIC,SEN                                                       1310.00 80                  013134.00
        B,SERS      -BIT 32 FRM RACC TO IX 0 FAILS.           1304.10 00                  013134.40
L%BU¤,BIT33                                                  17367.00 80 000000.20 50     013135.00
LX,$X0,$R                                                       11.00 10                  013136.00
KC,$X0,BIT 5                                                 17333.01 90                  013136.40
BXE,$+1.32                                                   13140.72 C2                  013137.00
SIC,SEN                                                       1310.00 80                  013137.40
        B,SERS      -BIT 33 FRM RACC TO IX 0 FAILS.           1304.10 00                  013140.00
L%BU¤,BIT34                                                  17370.00 80 000000.20 50     013140.40
LX,$X0,$R                                                       11.00 10                  013141.40
KC,$X0,BIT 6                                                 17334.01 90                  013142.00
BXE,$+1.32                                                   13144.32 C2                  013142.40
SIC,SEN                                                       1310.00 80                  013143.00
        B,SERS      -BIT 34 FRM RACC TO IX 0 FAILS.           1304.10 00                  013143.40
L%BU¤,BIT35                                                  17371.00 80 000000.20 50     013144.00
LX,$X0,$R                                                       11.00 10                  013145.00
KC,$X0,BIT 7                                                 17335.01 90                  013145.40
BXE,$+1.32                                                   13147.72 C2                  013146.00
SIC,SEN                                                       1310.00 80                  013146.40
        B,SERS      -BIT 35 FRM RACC TO IX 0 FAILS.           1304.10 00                  013147.00
L%BU¤,BIT36                                                  17372.00 80 000000.20 50     013147.40
LX,$X0,$R                                                       11.00 10                  013150.40
KC,$X0,BIT 8                                                 17336.01 90                  013151.00
BXE,$+1.32                                                   13153.32 C2                  013151.40
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SIC,SEN                                                    1310.00 80                  013152.00
        B,SERS      -BIT 36 FRM RACC TO IX 0 FAILS.        1304.10 00                  013152.40
L%BU¤,BIT37                                                17373.00 80 000000.20 50    013153.00
LX,$X0,$R                                                     11.00 10                 013154.00
KC,$X0,BIT 9                                               17337.01 90                 013154.40
BXE,$+1.32                                                 13156.72 C2                 013155.00
SIC,SEN                                                    1310.00 80                  013155.40
        B,SERS      -BIT 37 FRM RACC TO IX 0 FAILS.        1304.10 00                  013156.00
L%BU¤,BIT38                                                17374.00 80 000000.20 50    013156.40
LX,$X0,$R                                                     11.00 10                 013157.40
KC,$X0,BIT 10                                              17340.01 90                 013160.00
BXE,$+1.32                                                 13162.32 C2                 013160.40
SIC,SEN                                                    1310.00 80                  013161.00
        B,SERS      -BIT 38 FRM RACC TO IX 0 FAILS.        1304.10 00                  013161.40
L%BU¤,BIT39                                                17375.00 80 000000.20 50    013162.00
LX,$X0,$R                                                     11.00 10                 013163.00
KC,$X0,BIT 11                                              17341.01 90                 013163.40
BXE,$+1.32                                                 13165.72 C2                 013164.00
SIC,SEN                                                    1310.00 80                  013164.40
        B,SERS      -BIT 39 FRM RACC TO IX 0 FAILS.        1304.10 00                  013165.00
L%BU¤,BIT40                                                17376.00 80 000000.20 50    013165.40
LX,$X0,$R                                                     11.00 10                 013166.40
KC,$X0,BIT 12                                              17342.01 90                 013167.00
BXE,$+1.32                                                 13171.32 C2                 013167.40
SIC,SEN                                                    1310.00 80                  013170.00
        B,SERS      -BIT 40 FRM RACC TO IX 0 FAILS.        1304.10 00                  013170.40
L%BU¤,BIT41                                                17377.00 80 000000.20 50    013171.00
LX,$X0,$R                                                     11.00 10                 013172.00
KC,$X0,BIT 13                                              17343.01 90                 013172.40
BXE,$+1.32                                                 13174.72 C2                 013173.00
SIC,SEN                                                    1310.00 80                  013173.40
        B,SERS      -BIT 41 FRM RACC TO IX 0 FAILS.        1304.10 00                  013174.00
L%BU¤,BIT42                                                17400.00 80 000000.20 50    013174.40
LX,$X0,$R                                                     11.00 10                 013175.40
KC,$X0,BIT 14                                              17344.01 90                 013176.00
BXE,$+1.32                                                 13200.32 C2                 013176.40
SIC,SEN                                                    1310.00 80                  013177.00
        B,SERS      -BIT 42 FRM RACC TO IX 0 FAILS.        1304.10 00                  013177.40
L%BU¤,BIT43                                                17401.00 80 000000.20 50    013200.00
LX,$X0,$R                                                     11.00 10                 013201.00
KC,$X0,BIT 15                                              17345.01 90                 013201.40
BXE,$+1.32                                                 13203.72 C2                 013202.00
SIC,SEN                                                    1310.00 80                  013202.40
        B,SERS      -BIT 43 FRM RACC TO IX 0 FAILS.        1304.10 00                  013203.00
L%BU¤,BIT44                                                17402.00 80 000000.20 50    013203.40
LX,$X0,$R                                                     11.00 10                 013204.40
KC,$X0,BIT 16                                              17346.01 90                 013205.00
BXE,$+1.32                                                 13207.32 C2                 013205.40
SIC,SEN                                                    1310.00 80                  013206.00
        B,SERS      -BIT 44 FRM RACC TO IX 0 FAILS.        1304.10 00                  013206.40
L%BU¤,BIT45                                                17403.00 80 000000.20 50    013207.00
LX,$X0,$R                                                     11.00 10                 013210.00
KC,$X0,BIT 17                                              17347.01 90                 013210.40
BXE,$+1.32                                                 13212.72 C2                 013211.00
SIC,SEN                                                    1310.00 80                  013211.40
        B,SERS      -BIT 45 FRM RACC TO IX 0 FAILS.        1304.10 00                  013212.00
B,$+1.0                                                    13213.50 00                 013212.40
BD,1101                                                    12764.04 00                 013213.00
SIC,SEN0+.32                                                  1311.40 80               013213.40
B,SSW       -TO SSIP.                                      1301.10 00                  013214.00
BD,$+.32                                                   13215.04 00                 013214.40
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                LX,$X13,IC210       -UPDATE CONTINUITY CHECK.          13427.32 10    013215.00
                V+,$X13,BIT0                                           17326.32 B0    013215.40
                SX,$X13,IC210                                          13427.33 10    013216.00

1102            LX,$X1,BIT0         -CHK LX FROM IX CORE STG.          17326.02 10    013216.40
                LX,$X0,$X1                                               21.00 10    013217.00
                KV,$X0,BIT0                                            17326.00 90    013217.40
                BXE,$+1.32                                             13221.72 C2    013220.00
                SIC,SEN                                                 1310.00 80    013220.40
                      B,SERS        -BIT 0 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013221.00
                LX,$X1,BIT1                                            17327.02 10    013221.40
                LX,$X0,$X1                                               21.00 10    013222.00
                KV,$X0,BIT1                                            17327.00 90    013222.40
                BXE,$+1.32                                             13224.72 C2    013223.00
                SIC,SEN                                                 1310.00 80    013223.40
                      B,SERS        -BIT 1 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013224.00
                LX,$X1,BIT2                                            17330.02 10    013224.40
                LX,$X0,$X1                                               21.00 10    013225.00
                KV,$X0,BIT2                                            17330.00 90    013225.40
                BXE,$+1.32                                             13227.72 C2    013226.00
                SIC,SEN                                                 1310.00 80    013226.40
                      B,SERS        -BIT 2 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013227.00
                LX,$X1,BIT3                                            17331.02 10    013227.40
                LX,$X0,$X1                                               21.00 10    013230.00
                KV,$X0,BIT3                                            17331.00 90    013230.40
                BXE,$+1.32                                             13232.72 C2    013231.00
                SIC,SEN                                                 1310.00 80    013231.40
                      B,SERS        -BIT 3 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013232.00
                LX,$X1,BIT4                                            17332.02 10    013232.40
                LX,$X0,$X1                                               21.00 10    013233.00
                KV,$X0,BIT4                                            17332.00 90    013233.40
                BXE,$+1.32                                             13235.72 C2    013234.00
                SIC,SEN                                                 1310.00 80    013234.40
                      B,SERS        -BIT 4 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013235.00
                LX,$X1,BIT5                                            17333.02 10    013235.40
                LX,$X0,$X1                                               21.00 10    013236.00
                KV,$X0,BIT5                                            17333.00 90    013236.40
                BXE,$+1.32                                             13240.72 C2    013237.00
                SIC,SEN                                                 1310.00 80    013237.40
                      B,SERS        -BIT 5 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013240.00
                LX,$X1,BIT6                                            17334.02 10    013240.40
                LX,$X0,$X1                                               21.00 10    013241.00
                KV,$X0,BIT6                                            17334.00 90    013241.40
                BXE,$+1.32                                             13243.72 C2    013242.00
                SIC,SEN                                                 1310.00 80    013242.40
                      B,SERS        -BIT 6 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013243.00
                LX,$X1,BIT7                                            17335.02 10    013243.40
                LX,$X0,$X1                                               21.00 10    013244.00
                KV,$X0,BIT7                                            17335.00 90    013244.40
                BXE,$+1.32                                             13246.72 C2    013245.00
                SIC,SEN                                                 1310.00 80    013245.40
                      B,SERS        -BIT 7 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013246.00
                LX,$X1,BIT8                                            17336.02 10    013246.40
                LX,$X0,$X1                                               21.00 10    013247.00
                KV,$X0,BIT8                                            17336.00 90    013247.40
                BXE,$+1.32                                             13251.72 C2    013250.00
                SIC,SEN                                                 1310.00 80    013250.40
                      B,SERS        -BIT 8 FRM IX 1 TO IX 0 FAILS.     1304.10 00    013251.00
                LX,$X1,BIT9                                            17337.02 10    013251.40
                LX,$X0,$X1                                               21.00 10    013252.00
                KV,$X0,BIT9                                            17337.00 90    013252.40
                BXE,$+1.32                                             13254.72 C2    013253.00
                SIC,SEN                                                 1310.00 80    013253.40
                      B,SERS        -BIT 9 FRM IX 1 TO IX 0 FAILS      1304.10 00    013254.00
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LX,$X1,BIT10                                                17340.02 10    013254.40
LX,$X0,$X1                                                    21.00 10    013255.00
KV,$X0,BIT10                                                17340.00 90    013255.40
BXE,$+1.32                                                  13257.72 C2    013256.00
SIC,SEN                                                       1310.00 80    013256.40
        B,SERS      -BIT 10 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013257.00
LX,$X1,BIT11                                                17341.02 10    013257.40
LX,$X0,$X1                                                    21.00 10    013260.00
KV,$X0,BIT11                                                17341.00 90    013260.40
BXE,$+1.32                                                  13262.72 C2    013261.00
SIC,SEN                                                       1310.00 80    013261.40
        B,SERS      -BIT 11 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013262.00
LX,$X1,BIT12                                                17342.02 10    013262.40
LX,$X0,$X1                                                    21.00 10    013263.00
KV,$X0,BIT12                                                17342.00 90    013263.40
BXE,$+1.32                                                  13265.72 C2    013264.00
SIC,SEN                                                       1310.00 80    013264.40
        B,SERS      -BIT 12 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013265.00
LX,$X1,BIT13                                                17343.02 10    013265.40
LX,$X0,$X1                                                    21.00 10    013266.00
KV,$X0,BIT13                                                17343.00 90    013266.40
BXE,$+1.32                                                  13270.72 C2    013267.00
SIC,SEN                                                       1310.00 80    013267.40
        B,SERS      -BIT 13 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013270.00
LX,$X1,BIT14                                                17344.02 10    013270.40
LX,$X0,$X1                                                    21.00 10    013271.00
KV,$X0,BIT14                                                17344.00 90    013271.40
BXE,$+1.32                                                  13273.72 C2    013272.00
SIC,SEN                                                       1310.00 80    013272.40
        B,SERS      -BIT 14 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013273.00
LX,$X1,BIT15                                                17345.02 10    013273.40
LX,$X0,$X1                                                    21.00 10    013274.00
KV,$X0,BIT15                                                17345.00 90    013274.40
BXE,$+1.32                                                  13276.72 C2    013275.00
SIC,SEN                                                       1310.00 80    013275.40
        B,SERS      -BIT 15 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013276.00
LX,$X1,BIT16                                                17346.02 10    013276.40
LX,$X0,$X1                                                    21.00 10    013277.00
KV,$X0,BIT16                                                17346.00 90    013277.40
BXE,$+1.32                                                  13301.72 C2    013300.00
SIC,SEN                                                       1310.00 80    013300.40
        B,SERS      -BIT 16 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013301.00
LX,$X0,$X1                                                    21.00 10    013301.40
LX,$X1,BIT17                                                17347.02 10    013302.00
LX,$X0,$X1                                                    21.00 10    013302.40
KV,$X0,BIT17                                                17347.00 90    013303.00
BXE,$+1.32                                                  13305.32 C2    013303.40
SIC,SEN                                                       1310.00 80    013304.00
        B,SERS      -BIT 17 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013304.40
LX,$X1,BIT18                                                17350.02 10    013305.00
LX,$X0,$X1                                                    21.00 10    013305.40
KV,$X0,BIT18                                                17350.00 90    013306.00
BXE,$+1.32                                                  13310.32 C2    013306.40
SIC,SEN                                                       1310.00 80    013307.00
        B,SERS      -BIT 18 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013307.40
LX,$X1,BIT19                                                17351.02 10    013310.00
LX,$X0,$X1                                                    21.00 10    013310.40
KV,$X0,BIT19                                                17351.00 90    013311.00
BXE,$+1.32                                                  13313.32 C2    013311.40
SIC,SEN                                                       1310.00 80    013312.00
        B,SERS      -BIT 19 FRM IX 1 TO IX 0 FAILS            1304.10 00    013312.40
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LX,$X1,BIT20                                                17352.02 10    013313.00
LX,$X0,$X1                                                    21.00 10    013313.40
KV,$X0,BIT20                                                17352.00 90    013314.00
BXE,$+1.32                                                  13316.32 C2    013314.40
SIC,SEN                                                       1310.00 80    013315.00
        B,SERS      -BIT 20 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013315.40
LX,$X1,BIT21                                                17353.02 10    013316.00
LX,$X0,$X1                                                    21.00 10    013316.40
KV,$X0,BIT21                                                17353.00 90    013317.00
BXE,$+1.32                                                  13321.32 C2    013317.40
SIC,SEN                                                       1310.00 80    013320.00
        B,SERS      -BIT 21 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013320.40
LX,$X1,BIT22                                                17354.02 10    013321.00
LX,$X0,$X1                                                    21.00 10    013321.40
KV,$X0,BIT22                                                17354.00 90    013322.00
BXE,$+1.32                                                  13324.32 C2    013322.40
SIC,SEN                                                       1310.00 80    013323.00
        B,SERS      -BIT 22 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013323.40
LX,$X1,BIT23                                                17355.02 10    013324.00
LX,$X0,$X1                                                    21.00 10    013324.40
KV,$X0,BIT23                                                17355.00 90    013325.00
BXE,$+1.32                                                  13327.32 C2    013325.40
SIC,SEN                                                       1310.00 80    013326.00
        B,SERS      -BIT 23 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013326.40
LX,$X1,BIT24                                                17356.02 10    013327.00
LX,$X0,$X1                                                    21.00 10    013327.40
KV,$X0,BIT24                                                17356.00 90    013330.00
BXE,$+1.32                                                  13332.32 C2    013330.40
SIC,SEN                                                       1310.00 80    013331.00
        B,SERS      -BIT 24 FRM IX 1 TO IX 0 FAILS            1304.10 00    013331.40
LX,$X1,BIT28                                                17362.02 10    013332.00
LX,$X0,$X1                                                    21.00 10    013332.40
KC,$X0,BIT0                                                 17326.01 90    013333.00
BXE,$+1.32                                                  13335.32 C2    013333.40
SIC,SEN                                                       1310.00 80    013334.00
        B,SERS      -BIT 28 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013334.40
LX,$X1,BIT29                                                17363.02 10    013335.00
LX,$X0,$X1                                                    21.00 10    013335.40
KC,$X0,BIT1                                                 17327.01 90    013336.00
BXE,$+1.32                                                  13340.32 C2    013336.40
SIC,SEN                                                       1310.00 80    013337.00
        B,SERS      -BIT 29 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013337.40
LX,$X1,BIT30                                                17364.02 10    013340.00
LX,$X0,$X1                                                    21.00 10    013340.40
KC,$X0,BIT2                                                 17330.01 90    013341.00
BXE,$+1.32                                                  13343.32 C2    013341.40
SIC,SEN                                                       1310.00 80    013342.00
        B,SERS      -BIT 30 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013342.40
LX,$X1,BIT31                                                17365.02 10    013343.00
LX,$X0,$X1                                                    21.00 10    013343.40
KC,$X0,BIT3                                                 17331.01 90    013344.00
BXE,$+1.32                                                  13346.32 C2    013344.40
SIC,SEN                                                       1310.00 80    013345.00
        B,SERS      -BIT 31 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013345.40
LX,$X1,BIT32                                                17366.02 10    013346.00
LX,$X0,$X1                                                    21.00 10    013346.40
KC,$X0,BIT4                                                 17332.01 90    013347.00
BXE,$+1.32                                                  13351.32 C2    013347.40
SIC,SEN                                                       1310.00 80    013350.00
        B,SERS      -BIT 32 FRM IX 1 TO IX 0 FAILS.           1304.10 00    013350.40
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LX,$X1,BIT33                                                17367.02 10    013351.00
LX,$X0,$X1                                                    21.00 10    013351.40
KC,$X0,BIT5                                                 17333.01 90    013352.00
BXE,$+1.32                                                  13354.32 C2    013352.40
SIC,SEN                                                      1310.00 80    013353.00
        B,SERS      -BIT 33 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013353.40
LX,$X1,BIT34                                                17370.02 10    013354.00
LX,$X0,$X1                                                    21.00 10    013354.40
KC,$X0,BIT6                                                 17334.01 90    013355.00
BXE,$+1.32                                                  13357.32 C2    013355.40
SIC,SEN                                                      1310.00 80    013356.00
        B,SERS      -BIT 34 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013356.40
LX,$X1,BIT35                                                17371.02 10    013357.00
LX,$X0,$X1                                                    21.00 10    013357.40
KC,$X0,BIT7                                                 17335.01 90    013360.00
BXE,$+1.32                                                  13362.32 C2    013360.40
SIC,SEN                                                      1310.00 80    013361.00
        B,SERS      -BIT 35 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013361.40
LX,$X1,BIT36                                                17372.02 10    013362.00
LX,$X0,$X1                                                    21.00 10    013362.40
KC,$X0,BIT8                                                 17336.01 90    013363.00
BXE,$+1.32                                                  13365.32 C2    013363.40
SIC,SEN                                                      1310.00 80    013364.00
        B,SERS      -BIT 36 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013364.40
LX,$X1,BIT37                                                17373.02 10    013365.00
LX,$X0,$X1                                                    21.00 10    013365.40
KC,$X0,BIT9                                                 17337.01 90    013366.00
BXE,$+1.32                                                  13370.32 C2    013366.40
SIC,SEN                                                      1310.00 80    013367.00
        B,SERS      -BIT 37 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013367.40
LX,$X1,BIT38                                                17374.02 10    013370.00
LX,$X0,$X1                                                    21.00 10    013370.40
KC,$X0,BIT10                                                17340.01 90    013371.00
BXE,$+1.32                                                  13373.32 C2    013371.40
SIC,SEN                                                      1310.00 80    013372.00
        B,SERS      -BIT 38 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013372.40
LX,$X1,BIT39                                                17375.02 10    013373.00
LX,$X0,$X1                                                    21.00 10    013373.40
KC,$X0,BIT11                                                17341.01 90    013374.00
BXE,$+1.32                                                  13376.32 C2    013374.40
SIC,SEN                                                      1310.00 80    013375.00
        B,SERS      -BIT 39 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013375.40
LX,$X1,BIT40                                                17376.02 10    013376.00
LX,$X0,$X1                                                    21.00 10    013376.40
KC,$X0,BIT12                                                17342.01 90    013377.00
BXE,$+1.32                                                  13401.32 C2    013377.40
SIC,SEN                                                      1310.00 80    013400.00
        B,SERS      -BIT 40 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013400.40
LX,$X1,BIT41                                                17377.02 10    013401.00
LX,$X0,$X1                                                    21.00 10    013401.40
KC,$X0,BIT13                                                17343.01 90    013402.00
BXE,$+1.32                                                  13404.32 C2    013402.40
SIC,SEN                                                      1310.00 80    013403.00
        B,SERS      -BIT 41 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013403.40
LX,$X1,BIT42                                                17400.02 10    013404.00
LX,$X0,$X1                                                    21.00 10    013404.40
KC,$X0,BIT14                                                17344.01 90    013405.00
BXE,$+1.32                                                  13407.32 C2    013405.40
SIC,SEN                                                      1310.00 80    013406.00
        B,SERS      -BIT 42 FRM IX 1 TO IX 0 FAILS.          1304.10 00    013406.40
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                LX,$X1,BIT43                                    17401.02 10                013407.00
                LX,$X0,$X1                                        21.00 10                 013407.40
                KC,$X0,BIT15                                    17345.01 90                013410.00
                BXE,$+1.32                                      13412.32 C2                013410.40
                SIC,SEN                                           1310.00 80               013411.00
                     B,SERS     -BIT 43 FRM IX 1 TO IX 0 FAILS.   1304.10 00               013411.40
                LX,$X1,BIT44                                    17402.02 10                013412.00
                LX,$X0,$X1                                        21.00 10                 013412.40
                KC,$X0,BIT16                                    17346.01 90                013413.00
                BXE,$+1.32                                      13415.32 C2                013413.40
                SIC,SEN                                           1310.00 80               013414.00
                     B,SERS     -BIT 44 FRM IX 1 TO IX 0 FAILS.   1304.10 00               013414.40
                LX,$X1,BIT45                                    17403.02 10                013415.00
                LX,$X0,$X1                                        21.00 10                 013415.40
                KC,$X0,BIT17                                    17347.01 90                013416.00
                BXE,$+1.32                                      13420.32 C2                013416.40
                SIC,SEN                                           1310.00 80               013417.00
                     B,SERS     -BIT 45 FRM IX 1 TO IX 0 FAILS.   1304.10 00               013417.40
                B,$+1.0                                         13421.10 00                013420.00
                BD,I102                                         13216.44 00                013420.40
                SIC,SEN0+.32                                      1311.40 80               013421.00
                B,SSW       -TO SSIP                              1301.10 00               013421.40
                BD,$+.32                                        13422.44 00                013422.00

                LX,$X13,IC210   -UPDATE CONTINUITY CHECK.       13427.32 10                013422.40
                V+,$X13,BIT1                                    17327.32 B0                013423.00
                SX,$X13,IC210                                   13427.33 10                013423.40
                LX,$X13,IC210   -UPDATE CONTINUITY CHECK.       13427.32 10                013424.00
                KV,$X13,ICK210                                  13430.32 90                013424.40
                SIC,SEN                                           1310.00 80               013425.00
                BZXE,SERS       -CONTINUITY ERROR.                1304.32 C0               013425.40
                B,I12                                           13431.10 00                013426.00
                CNOP                                              0.30 00                  013426.40
                CNOP
IC210           XW,0,0,0        -CONTINUITY REG I210.             0.00 00 000000.00 00     013427.00
ICK210          XW,%8¤600000.00,0,0                           600000.00 00 000000.00 00     013430.00
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                    ----1212---KV,KC IX.CORE STG AND INT. MEM. CHK.
                    -
1I2     LX,$X1,I12ID        -UPDATE IDENT.                          13434.02 10                    013431.00
        SX,$X1,DPET13                                                1437.03 10                    013431.40
        SIC,RET                                                      1306.40 80                    013432.00
        B,IDF1                                                       1443.10 00                    013432.40
        Z,IC212                                                     14203.22 00                    013433.00
        BD,I121                                                     13435.04 00                    013433.40
        CNOP
I12ID   %IQSZ¤DD%BU,64,8¤,1212    Z.                                                            013434.00
        -
I121    LX,$X0,BIT0         -TEST KV, BIT 0,INT. MEM. AND           17326.00 10                    013435.00
        L%BU¤,BIT 0         -INDEX CORE STORAGE.                    17326.00 80 000000.20 50       013435.40
        LX,$X1,BIT0                                                 17326.02 10                    013436.40
        KV,$X0,$R                                                      11.00 90                    013437.00
        BXE,$+1.32                                                  13441.32 C2                    013437.40
        SIC,SEN                                                      1310.00 80                    013440.00
                B,SERS      -KV,BIT 0, INT. MEM. FAILED.            1304.10 00                    013440.40
        -
        KV,$X0,$X1                                                     21.00 90                    013441.00
        BXE,$+1.32                                                  13443.32 C2                    013441.40
        SIC,SEN                                                      1310.00 80                    013442.00
                B,SERS      -KV,BIT 0, IX. CORE STG. FAILED.        1304.10 00                    013442.40
        -
        LX,$X0,BIT1         -TEST KV, BIT 1,INT. MEM. AND           17327.00 10                    013443.00
        L%BU¤,BIT1          -INDEX CORE STORAGE.                    17327.00 80 000000.20 50       013443.40
        LX,$X1,BIT1                                                 17327.02 10                    013444.40
        KV,$X0,$R                                                      11.00 90                    013445.00
        BXE,$+1.32                                                  13447.32 C2                    013445.40
        SIC,SEN                                                      1310.00 80                    013446.00
                B,SERS      -KV, BIT 1, INT. MEM. FAILED.           1304.10 00                    013446.40
        -
        KV,$X0,$X1                                                     21.00 90                    013447.00
        BXE,$+1.32                                                  13451.32 C2                    013447.40
        SIC,SEN                                                      1310.00 80                    013450.00
                B,SERS      -KV, BIT 1, IX. CORE STG. FAILED.       1304.10 00                    013450.40
        -
        LX,$X0,BIT2         -TEST KV, BIT 2,INT. MEM. AND           17330.00 10                    013451.00
        L%BU¤,BIT2          -INDEX CORE STORAGE.                    17330.00 80 000000.20 50       013451.40
        LX,$X1,BIT2                                                 17330.02 10                    013452.40
        KV,$X0,$R                                                      11.00 90                    013453.00
        BXE,$+1.32                                                  13455.32 C2                    013453.40
        SIC,SEN                                                      1310.00 80                    013454.00
                B,SERS      -KV, BIT 2, INT. MEM. FAILED.           1304.10 00                    013454.40
        -
        KV,$X0,$X1                                                     21.00 90                    013455.00
        BXE,$+1.32                                                  13457.32 C2                    013455.40
        SIC,SEN                                                      1310.00 80                    013456.00
                B,SERS      -KV,BIT 2, IX. CORE STG. FAILED.        1304.10 00                    013456.40
        -
        LX,$X0,BIT3         -TEST KV, BIT 3, INT. MEM. AND          17331.00 10                    013457.00
        L%BU¤,BIT3          -INDEX CORE STORAGE.                    17331.00 80 000000.20 50       013457.40
        LX,$X1,BIT3                                                 17331.02 10                    013460.40
        KV,$X0,$R                                                      11.00 90                    013461.00
        BXE,$+1.32                                                  13463.32 C2                    013461.40
        SIC,SEN                                                      1310.00 80                    013462.00
                B,SERS      -KV, BIT 3, INT. MEM. FAILED.           1304.10 00                    013462.40
        -
        KV,$X0,$X1                                                     21.00 90                    013463.00
        BXE,$+1.32                                                  13465.32 C2                    013463.40
        SIC,SEN                                                      1310.00 80                    013464.00
```

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                B,SERS      -KV, BIT 3, IX. CORE STG. FAILED.      1304.10 00                        013464.40


LX,$X0,BIT4             -TEST KV, BIT 4, INT. MEM. AND         17332.00 10                        013465.00
L%BU¤,BIT4              -INDEX CORE STORAGE.                   17332.00 80 000000.20 50           013465.40
LX,$X1,BIT4                                                    17332.02 10                        013466.40
KV,$X0,$R                                                         11.00 90                        013467.00
BXE,$+1.32                                                     13471.32 C2                        013467.40
SIC,SEN                                                         1310.00 80                        013470.00
        B,SERS          -KV, BIT 4, INT. MEM. FAILED.          1304.10 00                        013470.40
-
KV,$X0,$X1                                                        21.00 90                        013471.00
BXE,$+1.32                                                     13473.32 C2                        013471.40
SIC,SEN                                                         1310.00 80                        013472.00
        B,SERS          -KV,BIT 4, IX. CORE STG. FAILED.       1304.10 00                        013472.40
-
LX,$X0,BIT5             -TEST KV,BIT 5, INT. MEM. AND          17333.00 10                        013473.00
L%BU¤,BIT5              -INDEX CORE STORAGE.                   17333.00 80 000000.20 50           013473.40
LX,$X1,BIT5                                                    17333.02 10                        013474.40
KV,$X0,$R                                                         11.00 90                        013475.00
BXE,$+1.32                                                     13477.32 C2                        013475.40
SIC,SEN                                                         1310.00 80                        013476.00
        B,SERS          -KV, BIT 5, INT. MEM. FAILED.          1304.10 00                        013476.40
-
KV,$X0,$X1                                                        21.00 90                        013477.00
BXE,$+1.32                                                     13501.32 C2                        013477.40
SIC,SEN                                                         1310.00 80                        013500.00
        B,SERS          -KV,BIT 5, IX. CORE STG. FAILED.       1304.10 00                        013500.40
-
LX,$X0,BIT6             -TEST KV, BIT 6, INT. MEM. AND         17334.00 10                        013501.00
L%BU¤,BIT6              -INDEX CORE STORAGE.                   17334.00 80 000000.20 50           013501.40
LX,$X1,BIT6                                                    17334.02 10                        013502.40
KV,$X0,$R                                                         11.00 90                        013503.00
BXE,$+1.32                                                     13505.32 C2                        013503.40
SIC,SEN                                                         1310.00 80                        013504.00
        B,SERS          -KV,BIT 6, INT. MEM. FAILED.           1304.10 00                        013504.40
-
KV,$X0,$X1                                                        21.00 90                        013505.00
BXE,$+1.32                                                     13507.32 C2                        013505.40
SIC,SEN                                                         1310.00 80                        013506.00
        B,SERS          -KV, BIT 6, IX. CORE STG. FAILED.      1304.10 00                        013506.40
-
LX,$X0,BIT7             -TEST KV, BIT 7, INT. MEM. AND         17335.00 10                        013507.00
L%BU¤,BIT7              -INDEX CORE STORAGE.                   17335.00 80 000000.20 50           013507.40
LX,$X1,BIT7                                                    17335.02 10                        013510.40
KV,$X0,$R                                                         11.00 90                        013511.00
BXE,$+1.32                                                     13513.32 C2                        013511.40
SIC,SEN                                                         1310.00 80                        013512.00
        B,SERS          -KV, BIT 7, INT. MEM. FAILED.          1304.10 00                        013512.40
-
KV,$X0,$X1                                                        21.00 90                        013513.00
BXE,$+1.32                                                     13515.32 C2                        013513.40
SIC,SEN                                                         1310.00 80                        013514.00
        B,SERS          -KV, BIT 7, IX. CORE STG. FAILED.      1304.10 00                        013514.40
```

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LX,$X0,BIT8         -TEST KV, BIT 8, INT. MEM. AND      17336.00 10                    013515.00
L%BU¤,BIT8          -INDEX CORE STORAGE.                17336.00 80 000000.20 50   013515.40
LX,$X1,BIT8                                             17336.02 10                013516.40
KV,$X0,$R                                                  11.00 90                013517.00
BXE,$+1.32                                              13521.32 C2                013517.40
SIC,SEN                                                  1310.00 80                013520.00
        B,SERS      -KV, BIT 8, INT. MEM. FAILED.        1304.10 00                013520.40
-
KV,$X0,$X1                                                 21.00 90                013521.00
BXE,$+1.32                                              13523.32 C2                013521.40
SIC,SEN                                                  1310.00 80                013522.00
        B,SERS      -KV, BIT 8, IX. CORE STG. FAILED.    1304.10 00                013522.40
-
LX,$X0,BIT9         -TEST KV,BIT 9,INT. MEM. AND        17337.00 10                013523.00
L%BU¤,BIT9          -INDEX CORE STORAGE.                17337.00 80 000000.20 50   013523.40
LX,$X1,BIT9                                             17337.02 10                013524.40
KV,$X0,$R                                                  11.00 90                013525.00
BXE,$+1.32                                              13527.32 C2                013525.40
SIC,SEN                                                  1310.00 80                013526.00
        B,SERS      -KV, BIT 9, INT. MEM. FAILED.        1304.10 00                013526.40
-
KV,$X0,$X1                                                 21.00 90                013527.00
BXE,$+1.32                                              13531.32 C2                013527.40
SIC,SEN                                                  1310.00 80                013530.00
        B,SERS      -KV, BIT 9, IX. CORE STG. FAILED.    1304.10 00                013530.40
-
LX,$X0,BIT10        -TEST KV, BIT 10, INT. MEM. AND     17340.00 10                013531.00
L%BU¤,BIT10         -INDEX CORE STORAGE.                17340.00 80 000000.20 50   013531.40
LX,$X1,BIT10                                            17340.02 10                013532.40
KV,$X0,$R                                                  11.00 90                013533.00
BXE,$+1.32                                              13535.32 C2                013533.40
SIC,SEN                                                  1310.00 80                013534.00
        B,SERS      -KV, BIT 10, INT. MEM. FAILED.       1304.10 00                013534.40
-
KV,$X0,$X1                                                 21.00 90                013535.00
BXE,$+1.32                                              13537.32 C2                013535.40
SIC,SEN                                                  1310.00 80                013536.00
        B,SERS      -KV, BIT 10, IX. CORE STG. FAILED.   1304.10 00                013536.40
-
LX,$X0,BIT11        -TEST KV, BIT 11, INT. MEM. AND     17341.00 10                013537.00
L%BU¤,BIT11         -INDEX CORE STORAGE.                17341.00 80 000000.20 50   013537.40
LX,$X1,BIT11                                            17341.02 10                013540.40
KV,$X0,$R                                                  11.00 90                013541.00
BXE,$+1.32                                              13543.32 C2                013541.40
SIC,SEN                                                  1310.00 80                013542.00
        B,SERS      -KV, BIT 11, INT. MEM. FAILED.       1304.10 00                013542.40
KV,$X0,$X1                                                 21.00 90                013543.00
BXE,$+1.32                                              13545.32 C2                013543.40
SIC,SEN                                                  1310.00 80                013544.00
        B,SERS      -KV, BIT 11, IX. CORE STG. FAILED.   1304.10 00                013544.40
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LX,$X0,BIT12        -TEST KV, BIT 12,INT. MEM. AND      17342.00 10                    013545.00
L%BU¤,BIT12         -INDEX CORE STORAGE.                17342.00 80 000000.20 50   013545.40
LX,$X1,BIT12                                            17342.02 10                    013546.40
KV,$X0,$R                                                  11.00 90                    013547.00
BXE,$+1.32                                              13551.32 C2                    013547.40
SIC,SEN                                                  1310.00 80                    013550.00
        B,SERS      -KV, BIT 12, INT. MEM. FAILED.       1304.10 00                    013550.40
-
KV,$X0,$X1                                                 21.00 90                    013551.00
BXE,$+1.32                                              13553.32 C2                    013551.40
SIC,SEN                                                  1310.00 80                    013552.00
        B,SERS      -KV, BIT 12, IX. CORE STG. FAILED.   1304.10 00                    013552.40
-
LX,$X0,BIT13        -TEST KV, BIT 13, INT. MEM. AND     17343.00 10                    013553.00
L%BU¤,BIT13         -INDEX CORE STORAGE.                17343.00 80 000000.20 50   013553.40
LX,$X1,BIT13                                            17343.02 10                    013554.40
KV,$X0,$R                                                  11.00 90                    013555.00
BXE,$+1.32                                              13557.32 C2                    013555.40
SIC,SEN                                                  1310.00 80                    013556.00
        B,SERS      -KV, BIT 13, INT. MEM. FAILED.       1304.10 00                    013556.40
-
KV,$X0,$X1                                                 21.00 90                    013557.00
BXE,$+1.32                                              13561.32 C2                    013557.40
SIC,SEN                                                  1310.00 80                    013560.00
        B,SERS      -KV, BIT 13, IX. CORE STG. FAILED.   1304.10 00                    013560.40
-
LX,$X0,BIT14        -TEST KV, BIT 14, INT. MEM. AND     17344.00 10                    013561.00
L%BU¤,BIT14         -INDEX CORE STORAGE.                17344.00 80 000000.20 50   013561.40
LX,$X1,BIT14                                            17344.02 10                    013562.40
KV,$X0,$R                                                  11.00 90                    013563.00
BXE,$+1.32                                              13565.32 C2                    013563.40
SIC,SEN                                                  1310.00 80                    013564.00
        B,SERS      -KV, BIT 14, INT. MEM. FAILED.       1304.10 00                    013564.40
-
KV,$X0,$X1                                                 21.00 90                    013565.00
BXE,$+1.32                                              13567.32 C2                    013565.40
SIC,SEN                                                  1310.00 80                    013566.00
        B,SERS      -KV, BIT 14, IX. CORE STG. FAILED.   1304.10 00                    013566.40
-
LX,$X0,BIT15        -TEST KV, BIT 15, INT. MEM. AND     17345.00 10                    013567.00
L%BU¤,BIT15         -INDEX CORE STORAGE.                17345.00 80 000000.20 50   013567.40
LX,$X1,BIT15                                            17345.02 10                    013570.40
KV,$X0,$R                                                  11.00 90                    013571.00
BXE,$+1.32                                              13573.32 C2                    013571.40
SIC,SEN                                                  1310.00 80                    013572.00
        B,SERS      -KV, BIT 15, INT. MEM. FAILED.       1304.10 00                    013572.40
-
KV,$X0,$X1                                                 21.00 90                    013573.00
BXE,$+1.32                                              13575.32 C2                    013573.40
SIC,SEN                                                  1310.00 80                    013574.00
        B,SERS      -KV, BIT 15, IX. CORE STG. FAILED.   1304.10 00                    013574.40
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LX,$X0,BIT16        -TEST KV, BIT 16,INT. MEM. AND      17346.00 10                    013575.00
L%BU¤,BIT16         -INDEX CORE STORAGE.                17346.00 80 000000.20 50   013575.40
LX,$X1,BIT16                                            17346.02 10                    013576.40
KV,$X0,$R                                                  11.00 90                    013577.00
BXE,$+1.32                                              13601.32 C2                    013577.40
SIC,SEN                                                  1310.00 80                    013600.00
        B,SERS      -KV, BIT 16, INT. MEM. FAILED.      1304.10 00                    013600.40
-
KV,$X0,$X1                                                 21.00 90                    013601.00
BXE,$+1.32                                              13603.32 C2                    013601.40
SIC,SEN                                                  1310.00 80                    013602.00
        B,SERS      -KV, BIT 16, IX. CORE STG. FAILED.  1304.10 00                    013602.40
-
LX,$X0,BIT17        -TEST KV, BIT 17, INT. MEM. AND     17347.00 10                    013603.00
L%BU¤,BIT17         -INDEX CORE STORAGE.                17347.00 80 000000.20 50   013603.40
LX,$X1,BIT17                                            17347.02 10                    013604.40
KV,$X0,$R                                                  11.00 90                    013605.00
BXE,$+1.32                                              13607.32 C2                    013605.40
SIC,SEN                                                  1310.00 80                    013606.00
        B,SERS      -KV, BIT 17, INT. MEM. FAILED.      1304.10 00                    013606.40
-
KV,$X0,$X1                                                 21.00 90                    013607.00
BXE,$+1.32                                              13611.32 C2                    013607.40
SIC,SEN                                                  1310.00 80                    013610.00
        B,SERS      -KV, BIT 17, IX. CORE STG. FAILED.  1304.10 00                    013610.40
-
LX,$X0,BIT18        -TEST KV, BIT 18,INT. MEM. AND      17350.00 10                    013611.00
L%BU¤,BIT18         -INDEX CORE STORAGE.                17350.00 80 000000.20 50   013611.40
LX,$X1,BIT18                                            17350.02 10                    013612.40
KV,$X0,$R                                                  11.00 90                    013613.00
BXE,$+1.32                                              13615.32 C2                    013613.40
SIC,SEN                                                  1310.00 80                    013614.00
        B,SERS      -KV, BIT 18, INT. MEM. FAILED.      1304.10 00                    013614.40
-
KV,$X0,$X1                                                 21.00 90                    013615.00
BXE,$+1.32                                              13617.32 C2                    013615.40
SIC,SEN                                                  1310.00 80                    013616.00
        B,SERS      -KV, BIT 18, IX. CORE STG. FAILED.  1304.10 00                    013616.40
-
LX,$X0,BIT19        -TEST KV, BIT 19, INT. MEM. AND     17351.00 10                    013617.00
L%BU¤,BIT19         -INDEX CORE STORAGE.                17351.00 80 000000.20 50   013617.40
LX,$X1,BIT19                                            17351.02 10                    013620.40
KV,$X0,$R                                                  11.00 90                    013621.00
BXE,$+1.32                                              13623.32 C2                    013621.40
SIC,SEN                                                  1310.00 80                    013622.00
        B,SERS      -KV, BIT 19, INT. MEM. FAILED.      1304.10 00                    013622.40
-
KV,$X0,$X1                                                 21.00 90                    013623.00
BXE,$+1.32                                              13625.32 C2                    013623.40
SIC,SEN                                                  1310.00 80                    013624.00
        B,SERS      -KV, BIT 19, IX. CORE STG. FAILED.  1304.10 00                    013624.40
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LX,$X0,BIT 20       -TEST KV,BIT 20,INT. MEM. AND      17352.00 10                    013625.00
L%BU¤,BIT 20        -INDEX CORE STORAGE.               17352.00 80 000000.20 50       013625.40
LX,$X1,BIT 20                                          17352.02 10                    013626.40
KV,$X0,$R                                                 11.00 90                    013627.00
BXE,$+1.32                                             13631.32 C2                    013627.40
SIC,SEN                                                 1310.00 80                    013630.00
        B,SERS      -KV,BIT 20,INT. MEM. FAILED.       1304.10 00                    013630.40
-
KV,$X0,$X1                                                21.00 90                    013631.00
BXE,$+1.32                                             13633.32 C2                    013631.40
SIC,SEN                                                 1310.00 80                    013632.00
        B,SERS      -KV,BIT 20,IX.CORE STG. FAILED.    1304.10 00                    013632.40
-
LX,$X0,BIT 21       -TEST KV,BIT 21,INT. MEM. AND      17353.00 10                    013633.00
L%BU¤,BIT21         -INDEX CORE STG.                   17353.00 80 000000.20 50       013633.40
LX,$X1,BIT 21                                          17353.02 10                    013634.40
KV,$X0,$R                                                 11.00 90                    013635.00
BXE,$+1.32                                             13637.32 C2                    013635.40
SIC,SEN                                                 1310.00 80                    013636.00
        B,SERS      -KV,BIT 21,INT. MEM.FAILED.        1304.10 00                    013636.40
-
KV,$X0,$X1                                                21.00 90                    013637.00
BXE,$+1.32                                             13641.32 C2                    013637.40
SIC,SEN                                                 1310.00 80                    013640.00
        B,SERS      -KV,BIT 21,IX. CORE STG. FAILED.   1304.10 00                    013640.40
-
LX,$X0,BIT22        -TEST KV, BIT 22, INT. MEM. AND    17354.00 10                    013641.00
L%BU¤,BIT22         -INDEX CORE STORAGE.               17354.00 80 000000.20 50       013641.40
LX,$X1,BIT22                                           17354.02 10                    013642.40
KV,$X0,$R                                                 11.00 90                    013643.00
BXE,$+1.32                                             13645.32 C2                    013643.40
SIC,SEN                                                 1310.00 80                    013644.00
        B,SERS      -KV, BIT 22, INT. MEM. FAILED.     1304.10 00                    013644.40
-
KV,$X0,$X1                                                21.00 90                    013645.00
BXE,$+1.32                                             13647.32 C2                    013645.40
SIC,SEN                                                 1310.00 80                    013646.00
        B,SERS      -KV, BIT 22,IX. CORE STG. FAILED   1304.10 00                    013646.40
-
LX,$X0,BIT23        -TEST KV, BIT 23,INT. MEM. AND     17355.00 10                    013647.00
L%BU¤,BIT23         -INDEX CORE STORAGE.               17355.00 80 000000.20 50       013647.40
LX,$X1,BIT23                                           17355.02 10                    013650.40
KV,$X0,$R                                                 11.00 90                    013651.00
BXE,$+1.32                                             13653.32 C2                    013651.40
SIC,SEN                                                 1310.00 80                    013652.00
        B,SERS      -KV, BIT 23,INT. MEM. FAILED.      1304.10 00                    013652.40
-
KV,$X0,$X1                                                21.00 90                    013653.00
BXE,$+1.32                                             13655.32 C2                    013653.40
SIC,SEN                                                 1310.00 80                    013654.00
        B,SERS      -KV, BIT 23, IX. CORE STG. FAILED. 1304.10 00                    013654.40
-
LX,$X0,BIT24        -TEST KV, BIT 24, INT. MEM. AND    17356.00 10                    013655.00
L%BU¤,BIT24         -INDEX CORE STORAGE.               17356.00 80 000000.20 50       013655.40
LX,$X1,BIT24                                           17356.02 10                    013656.40
KV,$X0,$R                                                 11.00 90                    013657.00
BXE,$+1.32                                             13661.32 C2                    013657.40
-
SIC,SEN                                                 1310.00 80                    013660.00
        B,SERS      -KV, BIT 24, INT. MEM. FAILED.     1304.10 00                    013660.40
KV,$X0,$X1                                                21.00 90                    013661.00
BXE,$+1.32                                             13663.32 C2                    013661.40
SIC,SEN                                                 1310.00 80                    013662.00
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          B,SERS      -KV, BIT 24, IX. CORE STG. FAILED.      1304.10 00      013662.40
-
B,$+1.0                                                       13664.10 00      013663.00
BD,I121                                                       13435.04 00      013663.40
SIC,SEN0+.32                                                   1311.40 80      013664.00
B,SSW                 -TO SSIP                                 1301.10 00      013664.40
BD,$+.32                                                      13665.44 00      013665.00
-
LX,$X13,IC212         -UPDATE CONTINUITY CHECK.                14203.32 10      013665.40
V+,$X13,BIT0                                                  17326.32 B0      013666.00
SX,$X13,IC212                                                 14203.33 10      013666.40
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1122    LX,$X0,BIT28        -TEST KC BIT 28, INT MEM AND        17362.00 10                    013667.00
        L%BU¤,BIT0          -INDEX CORE STORAGE.                17326.00 80 000000.20 50       013667.40
        LX,$X1,BIT0                                             17326.02 10                    013670.40
        KC,$X0,$R                                                  11.01 90                    013671.00
        BXE,$+1.32                                              13673.32 C2                    013671.40
        SIC,SEN                                                  1310.00 80                    013672.00
                B,SERS      -KC, BIT 28, INT. MEM. FAILED.      1304.10 00                    013672.40
        -
        KC,$X0,$X1                                                 21.01 90                    013673.00
        BXE,$+1.32                                              13675.32 C2                    013673.40
        SIC,SEN                                                  1310.00 80                    013674.00
                B,SERS      -KC, BIT 28, IX. CORE STG. FAILED.  1304.10 00                    013674.40
        -
        LX,$X0,BIT29        -TEST KC, BIT 29, INT. MEM. AND     17363.00 10                    013675.00
        L%BU¤,BIT1          -INDEX CORE STORAGE.                17327.00 80 000000.20 50       013675.40
        LX,$X1,BIT1                                             17327.02 10                    013676.40
        KC,$X0,$R                                                  11.01 90                    013677.00
        BXE,$+1.32                                              13701.32 C2                    013677.40
        SIC,SEN                                                  1310.00 80                    013700.00
                B,SERS      -KC, BIT 29, INT. MEM. FAILED.      1304.10 00                    013700.40
        -
        KC,$X0,$X1                                                 21.01 90                    013701.00
        BXE,$+1.32                                              13703.32 C2                    013701.40
        SIC,SEN                                                  1310.00 80                    013702.00
                B,SERS      -KC, BIT 29, IX. CORE STG. FAILED.  1304.10 00                    013702.40
        -
        LX,$X0,BIT 30       -TEST KC,BIT 30,INT. MEM. AND       17364.00 10                    013703.00
        L%BU¤,BIT2          -INDEX CORE STORAGE.                17330.00 80 000000.20 50       013703.40
        LX,$X1,BIT2                                             17330.02 10                    013704.40
        KC,$X0,$R                                                  11.01 90                    013705.00
        BXE,$+1.32                                              13707.32 C2                    013705.40
        SIC,SEN                                                  1310.00 80                    013706.00
                B,SERS      -KC,BIT 30,INT. MEM. FAILED.        1304.10 00                    013706.40
        -
        KC,$X0,$X1                                                 21.01 90                    013707.00
        BXE,$+1.32                                              13711.32 C2                    013707.40
        SIC,SEN                                                  1310.00 80                    013710.00
                B,SERS      -KC,BIT 30,IX. CORE STG. FAILED.    1304.10 00                    013710.40
        -
        LX,$X0,BIT 31       -TEST KC,BIT 31,INT. MEM. AND       17365.00 10                    013711.00
        L%BU¤,BIT3          -INDEX CORE STORAGE.                17331.00 80 000000.20 50       013711.40
        LX,$X1,BIT3                                             17331.02 10                    013712.40
        KC,$X0,$R                                                  11.01 90                    013713.00
        BXE,$+1.32                                              13715.32 C2                    013713.40
        SIC,SEN                                                  1310.00 80                    013714.00
                B,SERS      -KC,BIT 31,INT. MEM. FAILED.        1304.10 00                    013714.40
        KC,$X0,$X1                                                 21.01 90                    013715.00
        BXE,$+1.32                                              13717.32 C2                    013715.40
        SIC,SEN                                                  1310.00 80                    013716.00
                B,SERS      -KC,BIT 31,IX. CORE STG. FAILED.    1304.10 00                    013716.40
```

```
LX,$X0,BIT32        -TEST KC, BIT 32, INT. MEM. AND     17366.00 10                    013717.00
L%BU¤,BIT4          -INDEX CORE STORAGE.                17332.00 80 000000.20 50       013717.40
LX,$X1,BIT4                                             17332.02 10                    013720.40
KC,$X0,$R                                                  11.01 90                    013721.00
BXE,$+1.32                                              13723.32 C2                    013721.40
SIC,SEN                                                  1310.00 80                    013722.00
        B,SERS      -KC, BIT  32, INT. MEM. FAILED.      1304.10 00                    013722.40
-
KC,$X0,$X1                                                 21.01 90                    013723.00
BXE,$+1.32                                              13725.32 C2                    013723.40
SIC,SEN                                                  1310.00 80                    013724.00
        B,SERS      -KC, BIT 32, IX. CORE STG. FAILED.   1304.10 00                    013724.40
-
LX,$X0,BIT33        -TEST KC, BIT 33, INT. MEM. AND     17367.00 10                    013725.00
L%BU¤,BIT5          -INDEX CORE STORAGE.                17333.00 80 000000.20 50       013725.40
LX,$X1,BIT5                                             17333.02 10                    013726.40
KC,$X0,$R                                                  11.01 90                    013727.00
BXE,$+1.32                                              13731.32 C2                    013727.40
SIC,SEN                                                  1310.00 80                    013730.00
        B,SERS      -KC, BIT 33, INT. MEM. FAILED.       1304.10 00                    013730.40
-
KC,$X0,$X1                                                 21.01 90                    013731.00
BXE,$+1.32                                              13733.32 C2                    013731.40
SIC,SEN                                                  1310.00 80                    013732.00
        B,SERS      -KC, BIT 33, IX. CORE STG. FAILED.   1304.10 00                    013732.40
-
LX,$X0,BIT34        -TEST KC, BIT 34, INT. MEM. AND     17370.00 10                    013733.00
L%BU¤,BIT6          -INDEX CORE STORAGE.                17334.00 80 000000.20 50       013733.40
LX,$X1,BIT6                                             17334.02 10                    013734.40
KC,$X0,$R                                                  11.01 90                    013735.00
BXE,$+1.32                                              13737.32 C2                    013735.40
SIC,SEN                                                  1310.00 80                    013736.00
        B,SERS      -KC, BIT 34, INT. MEM. FAILED.       1304.10 00                    013736.40
-
KC,$X0,$X1                                                 21.01 90                    013737.00
BXE,$+1.32                                              13741.32 C2                    013737.40
SIC,SEN                                                  1310.00 80                    013740.00
        B,SERS      -KC, BIT 34, IX. CORE STG. FAILED.   1304.10 00                    013740.40
-
LX,$X0,BIT35        -TEST KC, BIT 35, INT. MEM. AND     17371.00 10                    013741.00
L%BU¤,BIT7          -INDEX CORE STORAGE.                17335.00 80 000000.20 50       013741.40
LX,$X1,BIT7                                             17335.02 10                    013742.40
KC,$X0,$R                                                  11.01 90                    013743.00
BXE,$+1.32                                              13745.32 C2                    013743.40
SIC,SEN                                                  1310.00 80                    013744.00
        B,SERS      -KC, BIT 35, INT. MEM. FAILED.       1304.10 00                    013744.40
-
KC,$X0,$X1                                                 21.01 90                    013745.00
BXE,$+1.32                                              13747.32 C2                    013745.40
SIC,SEN                                                  1310.00 80                    013746.00
        B,SERS      -KC, BIT 35, IX. CORE STG. FAILED.   1304.10 00                    013746.40
```

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LX,$X0,BIT36        -TEST KC, BIT 36, INT. MEM. AND     17372.00 10                    013747.00
L%BU¤,BIT8          -INDEX CORE STORAGE.                17336.00 80 000000.20 50       013747.40
LX,$X1,BIT8                                             17336.02 10                    013750.40
KC,$X0,$R                                                  11.01 90                    013751.00
BXE,$+1.32                                              13753.32 C2                    013751.40
SIC,SEN                                                  1310.00 80                    013752.00
        B,SERS      -KC, BIT  36, INT. MEM. FAILED.      1304.10 00                    013752.40
-
KC,$X0,$X1                                                 21.01 90                    013753.00
BXE,$+1.32                                              13755.32 C2                    013753.40
SIC,SEN                                                  1310.00 80                    013754.00
        B,SERS      -KC, BIT  36, IX. CORE STG. FAILED.  1304.10 00                    013754.40
-
LX,$X0,BIT37        -TEST KC, BIT 37, INT. MEM. AND     17373.00 10                    013755.00
L%BU¤,BIT9          -INDEX CORE STORAGE.                17337.00 80 000000.20 50       013755.40
LX,$X1,BIT9                                             17337.02 10                    013756.40
KC,$X0,$R                                                  11.01 90                    013757.00
BXE,$+1.32                                              13761.32 C2                    013757.40
SIC,SEN                                                  1310.00 80                    013760.00
        B,SERS      -KC, BIT 37, INT. MEM. FAILED.       1304.10 00                    013760.40
-
KC,$X0,$X1                                                 21.01 90                    013761.00
BXE,$+1.32                                              13763.32 C2                    013761.40
SIC,SEN                                                  1310.00 80                    013762.00
        B,SERS      -KC, BIT 37, IX. CORE STG. FAILED.   1304.10 00                    013762.40
-
LX,$X0,BIT38        -TEST KC, BIT 38, INT. MEM. AND     17374.00 10                    013763.00
L%BU¤,BIT10         -INDEX CORE STORAGE.                17340.00 80 000000.20 50       013763.40
LX,$X1,BIT10                                            17340.02 10                    013764.40
KC,$X0,$R                                                  11.01 90                    013765.00
BXE,$+1.32                                              13767.32 C2                    013765.40
SIC,SEN                                                  1310.00 80                    013766.00
        B,SERS      -KC, BIT 38, INT. MEM. FAILED.       1304.10 00                    013766.40
-
KC,$X0,$X1                                                 21.01 90                    013767.00
BXE,$+1.32                                              13771.32 C2                    013767.40
SIC,SEN                                                  1310.00 80                    013770.00
        B,SERS      -KC, BIT  38, IX. CORE STG. FAILED.  1304.10 00                    013770.40
-
LX,$X0,BIT39        -TEST KC, BIT 39, INT. MEM. AND     17375.00 10                    013771.00
L%BU¤,BIT11         -INDEX CORE STORAGE.                17341.00 80 000000.20 50       013771.40
LX,$X1,BIT11                                            17341.02 10                    013772.40
KC,$X0,$R                                                  11.01 90                    013773.00
BXE,$+1.32                                              13775.32 C2                    013773.40
SIC,SEN                                                  1310.00 80                    013774.00
        B,SERS      -KC, BIT 39, INT. MEM. FAILED.       1304.10 00                    013774.40
-
KC,$X0,$X1                                                 21.01 90                    013775.00
BXE,$+1.32                                              13777.32 C2                    013775.40
SIC,SEN                                                  1310.00 80                    013776.00
        B,SERS      -KC, BIT 39, IX. CORE STG. FAILED.   1304.10 00                    013776.40
-
LX,$X0,BIT40        -TEST KC, BIT 40, INT. MEM. AND     17376.00 10                    013777.00
L%BU¤,BIT12         -INDEX CORE STORAGE.                17342.00 80 000000.20 50       013777.40
LX,$X1,BIT12                                            17342.02 10                    014000.40
KC,$X0,$R                                                  11.01 90                    014001.00
BXE,$+1.32                                              14003.32 C2                    014001.40
SIC,SEN                                                  1310.00 80                    014002.00
        B,SERS      -KC, BIT 40, INT. MEM. FAILED.       1304.10 00                    014002.40
-
KC,$X0,$X1                                                 21.01 90                    014003.00
BXE,$+1.32                                              14005.32 C2                    014003.40
SIC,SEN                                                  1310.00 80                    014004.00
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        B,SERS      -KC, BIT 40, IX. CORE STG. FAILED.      1304.10 00                  014004.40

LX,$X0,BIT41        -TEST KC, BIT 41, INT. MEM. AND         17377.00 10                 014005.00
L%BU¤,BIT13         -INDEX CORE STORAGE.                    17343.00 80 000000.20 50    014005.40
LX,$X1,BIT13                                                17343.02 10                 014006.40
KC,$X0,$R                                                     11.01 90                  014007.00
BXE,$+1.32                                                  14011.32 C2                 014007.40
SIC,SEN                                                      1310.00 80                 014010.00
        B,SERS      -KC, BIT  41, INT. MEM. FAILED.         1304.10 00                  014010.40
-
KC,$X0,$X1                                                    21.01 90                  014011.00
BXE,$+1.32                                                  14013.32 C2                 014011.40
SIC,SEN                                                      1310.00 80                 014012.00
        B,SERS      -KC, BIT  41, IX. CORE STG. FAILED      1304.10 00                  014012.40
LX,$X0,BIT42        -TEST KC, BIT 42, INT. MEM. AND         17400.00 10                 014013.00
L%BU¤,BIT14         -INDEX CORE STORAGE.                    17344.00 80 000000.20 50    014013.40
LX,$X1,BIT14                                                17344.02 10                 014014.40
KC,$X0,$R                                                     11.01 90                  014015.00
BXE,$+1.32                                                  14017.32 C2                 014015.40
-
SIC,SEN                                                      1310.00 80                 014016.00
        B,SERS      -KC, BIT  42, INT. MEM. FAILED.         1304.10 00                  014016.40
KC,$X0,$X1                                                    21.01 90                  014017.00
BXE,$+1.32                                                  14021.32 C2                 014017.40
SIC,SEN                                                      1310.00 80                 014020.00
        B,SERS      -KC, BIT  42, IX. CORE STG. FAILED.     1304.10 00                  014020.40
-
LX,$X0,BIT43        -TEST KC, BIT  43, INT. MEM. AND        17401.00 10                 014021.00
L%BU¤,BIT15         -INDEX CORE STORAGE.                    17345.00 80 000000.20 50    014021.40
LX,$X1,BIT15                                                17345.02 10                 014022.40
KC,$X0,$R                                                     11.01 90                  014023.00
BXE,$+1.32                                                  14025.32 C2                 014023.40
SIC,SEN                                                      1310.00 80                 014024.00
        B,SERS      -KC, BIT  43, INT. MEM. FAILED.         1304.10 00                  014024.40
-
KC,$X0,$X1                                                    21.01 90                  014025.00
BXE,$+1.32                                                  14027.32 C2                 014025.40
SIC,SEN                                                      1310.00 80                 014026.00
        B,SERS      -KC, BIT  43, IX. CORE STG. FAILED.     1304.10 00                  014026.40
-
LX,$X0,BIT44        -TEST KC, BIT 44, INT. MEM. AND         17402.00 10                 014027.00
L%BU¤,BIT16         -INDEX CORE STORAGE.                    17346.00 80 000000.20 50    014027.40
LX,$X1,BIT16                                                17346.02 10                 014030.40
KC,$X0,$R                                                     11.01 90                  014031.00
BXE,$+1.32                                                  14033.32 C2                 014031.40
SIC,SEN                                                      1310.00 80                 014032.00
        B,SERS      -KC, BIT  44, INT. MEM. FAILED.         1304.10 00                  014032.40
-
KC,$X0,$X1                                                    21.01 90                  014033.00
BXE,$+1.32                                                  14035.32 C2                 014033.40
SIC,SEN                                                      1310.00 80                 014034.00
        B,SERS      -KC, BIT 44, IX. CORE STG. FAILED.      1304.10 00                  014034.40
-
LX,$X0,BIT45        -TEST KC, BIT 45, INT. MEM. AND         17403.00 10                 014035.00
L%BU¤,BIT17         -INDEX CORE STORAGE.                    17347.00 80 000000.20 50    014035.40
LX,$X1,BIT17                                                17347.02 10                 014036.40
KC,$X0,$R                                                     11.01 90                  014037.00
BXE,$+1.32                                                  14041.32 C2                 014037.40
SIC,SEN                                                      1310.00 80                 014040.00
        B,SERS      -KC, BIT 45, INT. MEM. FAILED.          1304.10 00                  014040.40
-
KC,$X0,$X1                                                    21.01 90                  014041.00
BXE,$+1.32                                                  14043.32 C2                 014041.40
SIC,SEN                                                      1310.00 80                 014042.00
        B,SERS      -KC, BIT 45, IX. CORE STG. FAILED.      1304.10 00                  014042.40
```

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-
B,$+1.0                                                  14044.10 00        014043.00
BD,I122                                                  13667.04 00        014043.40
SIC,SEN0+.32                                              1311.40 80        014044.00
B,SSW              -TO  SSIP                              1301.10 00        014044.40
BD,$+.32                                                 14045.44 00        014045.00
                                                                -
LX,$X13,IC212      -UPDATE CONTINUITY CHECK.             14203.32 10        014045.40
V+,$X13,BIT1                                             17327.32 B0        014046.00
SX,$X13,IC212                                            14203.33 10        014046.40
```

-THIS SECTION TESTS THE 20 POSSIBLE COM-
-BINATIONS OF KV AS DEFINED BY THE
-BELOW TRUTH TABLE. THE CONDITIONS ARE
-DEFINED AS FOLLOWS,

-A, INDEX POSITIVE.

-B, MEMORY POSITIVE.

-C, SUM OF MEM AND IX GRTR
-THAN 2 EXP 24, IE, EAC.

-D, INDEX EQUAL TO MEMORY.

-E, ABSOLUTE INDEX GRTR THAN
-ABSOLUTE MEMORY.

-A ONE IN THE TABLE INDICATES THE COND-
-ITION IS MET. COND D AND E CAN NEVER
-BE MET AND HENCE THOSE 8 CASES HAVE
-BEEN DELETED, ALONG WITH FOUR OTHER
-IMPOSSIBILITIES.

-CONDITIONS A	B	C	D	E	INDEX	MEMORY
1	1	1	1	0	+400000.00	+400000.00
1	1	1	0	0	+400000.00	+600000.00
1	1	0	1	0	+000000.00	+000000.00
1	1	0	0	1	+000002.00	+000001.00
1	0	1	1	0	+400000.00	-400000.00
1	0	1	0	1	+600000.00	-400000.00
1	0	1	0	0	+400000.00	-600000.00
1	0	0	1	0	+000000.00	-000000.00
1	0	0	0	1	+000002.00	-000001.00
1	0	0	0	0	+000001.00	-000002.00
0	1	1	1	0	-400000.00	+400000.00
0	1	1	0	1	-600000.00	+400000.00
0	1	1	0	0	-400000.00	+600000.00
0	1	0	1	0	-000000.00	+000000.00
0	1	0	0	1	-000002.00	+000001.00
0	1	0	0	0	-000001.00	+000002.00
0	0	1	1	0	-400000.00	-400000.00
0	0	1	0	0	-400000.00	-600000.00
0	0	0	1	0	-000000.00	-000000.00
0	0	0	0	0	-000001.00	-000002.00

```
1123    LX,$X0,BIT0         -INITIALIZE FOR EXHAUSTIVE      17326.00 10     014047.00
        LX,$X1,I12K1        -KV TEST                        14205.02 10     014047.40
        LX,$X2,BIT16                                        17346.04 10     014050.00
        LX,$X3,BIT17                                        17347.06 10     014050.40
        LX,$X4,I12K2                                        14206.10 10     014051.00
        LX,$X5,I12K3                                        14207.12 10     014051.40
        LX,$X6,I12K4                                        14210.14 10     014052.00
        LX,$X7,I12K5                                        14211.16 10     014052.40
        LX,$X8,I00Z                                         17306.20 10     014053.00
        LX,$X9,BIT24                                        17356.22 10     014053.40
        Z,$IND                                                13.22 00      014054.00
                                                                -
        KV,$X0,$X0          -X AND MEM PLUS, X EQUAL MEM, EAC.  20.00 90    014054.40
        SIC,SEN             -11110                        1310.00 80        014055.00
        BXL,SERS                                          1304.32 42        014055.40
        SIC,SEN                                           1310.00 80        014056.00
        BXH,SERS                                          1304.33 42        014056.40
        SIC,SEN                                           1310.00 80        014057.00
        BZXE,SERS                                         1304.32 C0        014057.40
        Z,$IND                                              13.22 00        014060.00
                                                                -
        KV,$X0,$X1          -X AND MEM PLUS, X LESS MEM, EAC.   21.00 90    014060.40
        SIC,SEN             -11100                        1310.00 80        014061.00
        BXH,SERS                                          1304.33 42        014061.40
        SIC,SEN                                           1310.00 80        014062.00
        BXE,SERS                                          1304.32 C2        014062.40
        SIC,SEN                                           1310.00 80        014063.00
        BZXL,SERS                                         1304.32 40        014063.40
        Z,$IND                                              13.22 00        014064.00
                                                                -
        KV,$X8,$X8          -X AND MEM PLUS ZERO.               30.20 90    014064.40
        SIC,SEN             -11010                        1310.00 80        014065.00
        BXH,SERS                                          1304.33 42        014065.40
        SIC,SEN                                           1310.00 80        014066.00
        BXL,SERS                                          1304.32 42        014066.40
        SIC,SEN                                           1310.00 80        014067.00
        BZXE,SERS                                         1304.32 C0        014067.40
        Z,$IND                                              13.22 00        014070.00
                                                                -
        KV,$X2,$X3          -X AND MEM PLUS, MEM LESS X.        23.04 90    014070.40
        SIC,SEN             -11001                        1310.00 80        014071.00
        BXL,SERS                                          1304.32 42        014071.40
        SIC,SEN                                           1310.00 80        014072.00
        BXE,SERS                                          1304.32 C2        014072.40
        SIC,SEN                                           1310.00 80        014073.00
        BZXH,SERS                                         1304.33 40        014073.40
        Z,$IND                                              13.22 00        014074.00
                                                                -
        KV,$X0,$X4          -MEM AND X EQUAL, OP SIGN, EAC.     24.00 90    014074.40
        SIC,SEN             -10110                        1310.00 80        014075.00
        BXE,SERS                                          1304.32 C2        014075.40
        SIC,SEN                                           1310.00 80        014076.00
        BXL,SERS                                          1304.32 42        014076.40
        SIC,SEN                                           1310.00 80        014077.00
        BZXH,SERS                                         1304.33 40        014077.40
        Z,$IND                                              13.22 00        014100.00
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KV,$X1,$X4      -X GRTR AND PLUS THAN MEM, MINUS, EAC.      24.02 90      014100.40
SIC,SEN         -10101                                    1310.00 80      014101.00
BXL,SERS                                                  1304.32 42      014101.40
SIC,SEN                                                   1310.00 80      014102.00
BXE,SERS                                                  1304.32 C2      014102.40
SIC,SEN                                                   1310.00 80      014103.00
BZXH,SERS                                                 1304.33 40      014103.40
Z,$IND                                                      13.22 00      014104.00
                                                                -
KV,$X0,$X5      -X LESS AND PLUS THAN MEM, MINUS, EAC.      25.00 90      014104.40
SIC,SEN         -10100                                    1310.00 80      014105.00
BXL,SERS                                                  1304.32 42      014105.40
SIC,SEN                                                   1310.00 80      014106.00
BXE,SERS                                                  1304.32 C2      014106.40
SIC,SEN                                                   1310.00 80      014107.00
BZXH,SERS                                                 1304.33 40      014107.40
Z,$IND                                                      13.22 00      014110.00
                                                                -
KV,$X8,$X9      -X PLUS ZERO, MEM MINUS ZERO                31.20 90      014110.40
SIC,SEN         -10010                                    1310.00 80      014111.00
BXL,SERS                                                  1304.32 42      014111.40
SIC,SEN                                                   1310.00 80      014112.00
BXH,SERS                                                  1304.33 42      014112.40
SIC,SEN                                                   1310.00 80      014113.00
BZXE,SERS                                                 1304.32 C0      014113.40
Z,$IND                                                      13.22 00      014114.00
                                                                -
KV,$X2,$X6      -X PLUS GRTR THAN MEM MINUS                 26.04 90      014114.40
SIC,SEN         -10001                                    1310.00 80      014115.00
BXL,SERS                                                  1304.32 42      014115.40
SIC,SEN                                                   1310.00 80      014116.00
BXE,SERS                                                  1304.32 C2      014116.40
SIC,SEN                                                   1310.00 80      014117.00
BZXH,SERS                                                 1304.33 40      014117.40
Z,$IND                                                      13.22 00      014120.00
                                                                -
KV,$X3,$X7      -X PLUS LESS THAN MEM MINUS                 27.06 90      014120.40
SIC,SEN         -10000                                    1310.00 80      014121.00
BXL,SERS                                                  1304.32 42      014121.40
SIC,SEN                                                   1310.00 80      014122.00
BXE,SERS                                                  1304.32 C2      014122.40
SIC,SEN                                                   1310.00 80      014123.00
BZXH,SERS                                                 1304.33 40      014123.40
Z,$IND                                                      13.22 00      014124.00
                                                                -
KV,$X4,$X0      -X MINUS EQUAL MEM PLUS, EAC.               20.10 90      014124.40
SIC,SEN         -01110                                    1310.00 80      014125.00
BXH,SERS                                                  1304.33 42      014125.40
SIC,SEN                                                   1310.00 80      014126.00
BZXL,SERS                                                 1304.32 40      014126.40
SIC,SEN                                                   1310.00 80      014127.00
BXE,SERS                                                  1304.32 C2      014127.40
Z,$IND                                                      13.22 00      014130.00
```

```
KV,$X5,$X0      -X MINUS GRTR THAN MEM PLUS, EAC.      20.12 90    014130.40
SIC,SEN         -01101                               1310.00 80    014131.00
BXH,SERS                                             1304.33 42    014131.40
SIC,SEN                                              1310.00 80    014132.00
BXE,SERS                                             1304.32 C2    014132.40
SIC,SEN                                              1310.00 80    014133.00
BZXL,SERS                                            1304.32 40    014133.40
Z,$IND                                                 13.22 00    014134.00
                                                                -
KV,$X4,$X1      -X MINUS LESS THAN MEM PLUS, EAC.      21.10 90    014134.40
SIC,SEN         -01100                               1310.00 80    014135.00
BXH,SERS                                             1304.33 42    014135.40
SIC,SEN                                              1310.00 80    014136.00
BXE,SERS                                             1304.32 C2    014136.40
SIC,SEN                                              1310.00 80    014137.00
BZXL,SERS                                            1304.32 40    014137.40
Z,$IND                                                 13.22 00    014140.00
                                                                -
KV,$X9,$X8      -X MINUS ZERO, MEM PLUS ZERO           30.22 90    014140.40
SIC,SEN         -01010                               1310.00 80    014141.00
BXH,SERS                                             1304.33 42    014141.40
SIC,SEN                                              1310.00 80    014142.00
BXL,SERS                                             1304.32 42    014142.40
SIC,SEN                                              1310.00 80    014143.00
BZXE,SERS                                            1304.32 C0    014143.40
Z,$IND                                                 13.22 00    014144.00
                                                                -
KV,$X7,$X3      -X MINUS GRTR THAN MEM PLUS.           23.16 90    014144.40
SIC,SEN         -01001                               1310.00 80    014145.00
BXH,SERS                                             1304.33 42    014145.40
SIC,SEN                                              1310.00 80    014146.00
BXE,SERS                                             1304.32 C2    014146.40
SIC,SEN                                              1310.00 80    014147.00
BZXL,SERS                                            1304.32 40    014147.40
Z,$IND                                                 13.22 00    014150.00
                                                                -
KV,$X6,$X2      -X MINUS LESS THAN MEM PLUS.           22.14 90    014150.40
SIC,SEN         -01000                               1310.00 80    014151.00
BXH,SERS                                             1304.33 42    014151.40
SIC,SEN                                              1310.00 80    014152.00
BXE,SERS                                             1304.32 C2    014152.40
SIC,SEN                                              1310.00 80    014153.00
BZXL,SERS                                            1304.32 40    014153.40
Z,$IND                                                 13.22 00    014154.00
                                                                -
KV,$X4,$X4      -X MINUS EQUAL MEM MINUS, EAC.         24.10 90    014154.40
SIC,SEN         -00110                               1310.00 80    014155.00
BXL,SERS                                             1304.32 42    014155.40
SIC,SEN                                              1310.00 80    014156.00
BXH,SERS                                             1304.33 42    014156.40
SIC,SEN                                              1310.00 80    014157.00
BZXE,SERS                                            1304.32 C0    014157.40
Z,$IND                                                 13.22 00    014160.00
```

```
                KV,$X4,$X5          -X MINUS GRTR THAN MEM MINUS, EAC.          25.10 90          014160.40
                SIC,SEN             -00100                                    1310.00 80          014161.00
                BXE,SERS                                                      1304.32 C2          014161.40
                SIC,SEN                                                       1310.00 80          014162.00
                BXL,SERS                                                      1304.32 42          014162.40
                SIC,SEN                                                       1310.00 80          014163.00
                BZXH,SERS                                                     1304.33 40          014163.40
                Z,$IND                                                          13.22 00          014164.00
                -
                KV,$X9,$X9          -X MINUS ZERO EQUAL MEM MINUS ZERO.         31.22 90          014164.40
                SIC,SEN             -00010                                    1310.00 80          014165.00
                BXH,SERS                                                      1304.33 42          014165.40
                SIC,SEN                                                       1310.00 80          014166.00
                BXL,SERS                                                      1304.32 42          014166.40
                SIC,SEN                                                       1310.00 80          014167.00
                BZXE,SERS                                                     1304.32 C0          014167.40
                Z,$IND                                                          13.22 00          014170.00
                -
                KV,$X6,$X7          -X MINUS GRTR THAN MEM MINUS.               27.14 90          014170.40
                SIC,SEN             -00000                                    1310.00 80          014171.00
                BXL,SERS                                                      1304.32 42          014171.40
                SIC,SEN                                                       1310.00 80          014172.00
                BXE,SERS                                                      1304.32 C2          014172.40
                SIC,SEN                                                       1310.00 80          014173.00
                BZXH,SERS                                                     1304.33 40          014173.40
                Z,$IND                                                          13.22 00          014174.00
                -
                B,$+1.0                                                   14175.50 00             014174.40
                BD,I123                                                   14047.04 00             014175.00
                SIC,SENO+.32                                               1311.40 80             014175.40
                B,SSW               -TO SSIP.                              1301.10 00             014176.00
                BD,$+.32                                                  14177.04 00             014176.40
                -
                LX,$X13,IC212       -UPDATE CONTINUITY CHECK.             14203.32 10             014177.00
                V+,$X13,BIT2                                              17330.32 B0             014177.40
                SX,$X13,IC212                                             14203.33 10             014200.00
                -
                LX,$X13,IC212       -UPDATE CONTINUITY CHECK.             14203.32 10             014200.40
                KV,$X13,ICK212                                            14204.32 90             014201.00
                SIC,SEN                                                    1310.00 80             014201.40
                BZXE,SERS           -CONTINUITY ERROR.                     1304.32 C0             014202.00
                BD,I14                                                    14212.04 00             014202.40
                CNOP
                -
IC212           XW,0,0,0            -CONTINUITY REG I212.                     0.00 00 000000.00 00  014203.00
ICK212          XW,%8¤700000.00,0,0                                     700000.00 00 000000.00 00  014204.00
I12K1           XW,%8¤600000.00,0,0                                     600000.00 00 000000.00 00  014205.00
I12K2           XW,%8¤-400000.00,0,0                                    400000.00 80 000000.00 00  014206.00
I12K3           XW,%8¤-600000.00,0,0                                    600000.00 80 000000.00 00  014207.00
I12K4           XW,-1.00,0,0                                                1.00 80 000000.00 00  014210.00
I12K5           XW,-2.00,0,0                                                2.00 80 000000.00 00  014211.00
```

```
                    ----1214---LX BITS 46-63 AND SR TEST.
                    -
1141D  %IQSZ¤DD%BU,64,8¤,1214    Z.                                                  014215.00
                    -
1141   Z,$X0                -TEST LX AND SR, BIT 46.          20.22 00              014216.00
       LX,$X0,BIT46                                        17404.00 10              014216.40
       LX,$X1,BIT0          -REFILL BIT MINUS 46.          17326.02 10              014217.00
       Z,114DMP                                            15167.22 00              014217.40
       SR,$X0,114DMP                                       15167.01 70              014220.00
       KV,$X1,114DMP                                       15167.02 90              014220.40
       BXE,$+1.32                                          14222.72 C2              014221.00
       SIC,SEN              -LX BIT 46 FRM EXT. MEM. OR     1310.00 80              014221.40
       B,SERS               -SR BIT 46 TO EXT. MEM. FAILS.  1304.10 00              014222.00
       -
       Z,$X0                                                 20.22 00              014222.40
       Z,114DMP                                            15167.22 00              014223.00
       L%BU¤,BIT46                                         17404.00 80 000000.20 50 014223.40
       LX,$X0,$R                                              11.00 10              014224.40
       SR,$X0,114DMP                                       15167.01 70              014225.00
       KV,$X1,114DMP                                       15167.02 90              014225.40
       BXE,$+1.32                                          14227.72 C2              014226.00
       SIC,SEN              -LX BIT 46 FRM INT. MEM. OR     1310.00 80              014226.40
       B,SERS               -SR BIT 46 TO EXT. MEM. FAILS.  1304.10 00              014227.00
       -
       Z,$X0                                                 20.22 00              014227.40
       Z,114DMP                                            15167.22 00              014230.00
       LX,$X0,BIT46                                        17404.00 10              014230.40
       LX,$X2,$X0                                            20.04 10              014231.00
       SR,$X2,114DMP                                       15167.05 70              014231.40
       KV,$X1,114DMP                                       15167.02 90              014232.00
       BXE,$+1.32                                          14234.32 C2              014232.40
       SIC,SEN              -LX BIT 46 FROM IX CORE STG OR  1310.00 80              014233.00
       B,SERS               -SR BIT 46 TO EXT. MEM. FAILS.  1304.10 00              014233.40
       -
       Z,$R                                                  11.22 00              014234.00
       LX,$X0,BIT 46                                       17404.00 10              014234.40
       SR,$X0,$R                                             11.01 70              014235.00
       KV,$X1,$R                                             11.02 90              014235.40
       BXE,$+1.32                                          14237.72 C2              014236.00
       SIC,SEN              -LX BIT 46 FRM EXT. MEM. OR     1310.00 80              014236.40
       B,SERS               -SR BIT 46 TO INT. MEM. FAILS.  1304.10 00              014237.00
       -
       Z,$X3                                                 23.22 00              014237.40
       LX,$X0,BIT 46                                       17404.00 10              014240.00
       SR,$X0,$X3                                            23.01 70              014240.40
       KV,$X1,$X3                                            23.02 90              014241.00
       BXE,$+1.32                                          14243.32 C2              014241.40
       SIC,SEN              -LX BIT 46 FRM EXT. MEM. OR     1310.00 80              014242.00
       B,SERS               -SR BIT 46 TO INDEX CORE STG FAILS. 1304.10 00          014242.40
       -
       B,$+1.0                                             14244.10 00              014243.00
       BD,1141                                             14216.04 00              014243.40
       SIC,SEN0+.32                                         1311.40 80              014244.00
       B,SSW                -TO SSIP.                       1301.10 00              014244.40
       BD,$+.32                                            14245.44 00              014245.00
                                                                                    -
```

```
LX,$X13,IC214
V+,$X13,BIT0
SX,$X13,IC214
```

-UPDATE CONTINUITY CHECK.

```
15165.32 10
17326.32 B0
15165.33 10
```

```
014245.40
014246.00
014246.40
```

```
1142    Z,$X0                   -TEST LX AND SR,BIT 47.
        LX,$X0,BIT 47
        LX,$X1,BIT 1            -REFILL BIT MINUS 46.
        Z,I14DMP
        SR,$X0,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 47 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 47 TO EXT. MEM. FAILS.
        -
        Z,$X0
        Z,I14DMP
        L%BU¤,BIT 47
        LX,$X0,$R
        SR,$X0,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 47 FRM INT. MEM. OR
        B,SERS                  -SR BIT 47 TO EXT. MEM.FAILS.
        -
        Z,$X0
        Z,I14DMP
        LX,$X0,BIT 47
        LX,$X2,$X0
        SR,$X2,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 47 FROM IX CORE STG OR
        B,SERS                  -SR BIT 47 TO EXT. MEM. FAILS.
        -
        Z,$R
        LX,$X0,BIT47
        SR,$X0,$R
        KV,$X1,$R
        BXE,$+1.32
        SIC,SEN                 -LX BIT 47 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 47 TO INT. MEM. FAILS.
        -
        Z,$X3
        LX,$X0,BIT47
        SR,$X0,$X3
        KV,$X1,$X3
        BXE,$+1.32
        SIC,SEN                 -LX BIT 47 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 47 TO INDEX CORE STG FAILS.
        -
        B,$+1.0
        BD,I142
        SIC,SEN0+.32
        B,SSW                   -TO SSIP.
        BD,$+.32

        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.
        V+,$X13,BIT1
        SX,$X13,IC214
```

```
                20.22 00                        014247.00
             17405.00 10                        014247.40
             17327.02 10                        014250.00
             15167.22 00                        014250.40
             15167.01 70                        014251.00
             15167.02 90                        014251.40
             14253.72 C2                        014252.00
              1310.00 80                        014252.40
              1304.10 00                        014253.00

                20.22 00                        014253.40
             15167.22 00                        014254.00
             17405.00 80 000000.20 50           014254.40
                11.00 10                        014255.40
             15167.01 70                        014256.00
             15167.02 90                        014256.40
             14260.72 C2                        014257.00
              1310.00 80                        014257.40
              1304.10 00                        014260.00

                20.22 00                        014260.40
             15167.22 00                        014261.00
             17405.00 10                        014261.40
                20.04 10                        014262.00
             15167.05 70                        014262.40
             15167.02 90                        014263.00
             14265.32 C2                        014263.40
              1310.00 80                        014264.00
              1304.10 00                        014264.40

                11.22 00                        014265.00
             17405.00 10                        014265.40
                11.01 70                        014266.00
                11.02 90                        014266.40
             14270.72 C2                        014267.00
              1310.00 80                        014267.40
              1304.10 00                        014270.00

                23.22 00                        014270.40
             17405.00 10                        014271.00
                23.01 70                        014271.40
                23.02 90                        014272.00
             14274.32 C2                        014272.40
              1310.00 80                        014273.00
              1304.10 00                        014273.40

             14275.10 00                        014274.00
             14247.04 00                        014274.40
              1311.40 80                        014275.00
              1301.10 00                        014275.40
             14276.44 00                        014276.00

             15165.32 10                        014276.40
             17327.32 B0                        014277.00
             15165.33 10                        014277.40
```

```
1143    Z,$X0                   -TEST LX AND SR, BIT 48.          20.22 00                014300.00
        LX,$X0,BIT48                                           17406.00 10                014300.40
        LX,$X1,BIT2             -REFILL BIT MINUS 46.          17330.02 10                014301.00
        Z,I14DMP                                               15167.22 00                014301.40
        SR,$X0,I14DMP                                          15167.01 70                014302.00
        KV,$X1,I14DMP                                          15167.02 90                014302.40
        BXE,$+1.32                                             14304.72 C2                014303.00
        SIC,SEN                 -LX BIT 48 FRM EXT. MEM. OR     1310.00 80                014303.40
        B,SERS                  -SR BIT 48 TO EXT. MEM. FAILS. 1304.10 00                014304.00
        -
        Z,$X0                                                    20.22 00                014304.40
        Z,I14DMP                                               15167.22 00                014305.00
        L%BU¤,BIT48                                            17406.00 80 000000.20 50   014305.40
        LX,$X0,$R                                                11.00 10                014306.40
        SR,$X0,I14DMP                                          15167.01 70                014307.00
        KV,$X1,I14DMP                                          15167.02 90                014307.40
        BXE,$+1.32                                             14311.72 C2                014310.00
        SIC,SEN                 -LX BIT 48 FRM INT. MEM. OR     1310.00 80                014310.40
        B,SERS                  -SR BIT 48 TO EXT. MEM. FAILS. 1304.10 00                014311.00
        -
        Z,$X0                                                    20.22 00                014311.40
        Z,I14DMP                                               15167.22 00                014312.00
        LX,$X0,BIT48                                           17406.00 10                014312.40
        LX,$X2,$X0                                               20.04 10                014313.00
        SR,$X2,I14DMP                                          15167.05 70                014313.40
        KV,$X1,I14DMP                                          15167.02 90                014314.00
        BXE,$+1.32                                             14316.32 C2                014314.40
        SIC,SEN                 -LX BIT 48 FROM IX CORE STG OR  1310.00 80                014315.00
        B,SERS                  -SR BIT 48 TO EXT. MEM. FAILS. 1304.10 00                014315.40
        -
        Z,$R                                                     11.22 00                014316.00
        LX,$X0,BIT48                                           17406.00 10                014316.40
        SR,$X0,$R                                                11.01 70                014317.00
        KV,$X1,$R                                                11.02 90                014317.40
        BXE,$+1.32                                             14321.72 C2                014320.00
        SIC,SEN                 -LX BIT 48 FRM EXT. MEM. OR     1310.00 80                014320.40
        B,SERS                  -SR BIT 48 TO INT. MEM. FAILS. 1304.10 00                014321.00
        -
        Z,$X3                                                    23.22 00                014321.40
        LX,$X0,BIT48                                           17406.00 10                014322.00
        SR,$X0,$X3                                               23.01 70                014322.40
        KV,$X1,$X3                                               23.02 90                014323.00
        BXE,$+1.32                                             14325.32 C2                014323.40
        SIC,SEN                 -LX BIT 48 FRM EXT. MEM. OR     1310.00 80                014324.00
        B,SERS                  -SR BIT 48 TO INDEX CORE STG FAILS. 1304.10 00           014324.40
        -
        B,$+1.0                                                14326.10 00                014325.00
        BD,I143                                                14300.04 00                014325.40
        SIC,SEN0+.32                                            1311.40 80                014326.00
        B,SSW                   -TO SSIP.                       1301.10 00                014326.40
        BD,$+.32                                               14327.44 00                014327.00
                                                                -
        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.      15165.32 10                014327.40
        V+,$X13,BIT2                                           17330.32 B0                014330.00
        SX,$X13,IC214                                          15165.33 10                014330.40
```

```
1144    Z,$X0                   -TEST LX AND SR, BIT 49.          20.22 00                014331.00
        LX,$X0,BIT49                                           17407.00 10                014331.40
        LX,$X1,BIT3             -REFILL BIT MINUS 46.          17331.02 10                014332.00
        Z,I14DMP                                               15167.22 00                014332.40
        SR,$X0,I14DMP                                          15167.01 70                014333.00
        KV,$X1,I14DMP                                          15167.02 90                014333.40
        BXE,$+1.32                                             14335.72 C2                014334.00
        SIC,SEN                 -LX BIT 49 FRM EXT. MEM. OR     1310.00 80                014334.40
        B,SERS                  -SR BIT 49 TO EXT. MEM. FAILS.  1304.10 00                014335.00
        -
        Z,$X0                                                     20.22 00                014335.40
        Z,I14DMP                                               15167.22 00                014336.00
        L%BU¤,BIT49                                            17407.00 80 000000.20 50   014336.40
        LX,$X0,$R                                                 11.00 10                014337.40
        SR,$X0,I14DMP                                          15167.01 70                014340.00
        KV,$X1,I14DMP                                          15167.02 90                014340.40
        BXE,$+1.32                                             14342.72 C2                014341.00
        SIC,SEN                 -LX BIT 49 FRM INT. MEM. OR     1310.00 80                014341.40
        B,SERS                  -SR BIT 49 TO EXT.MEM. FAILS.   1304.10 00                014342.00
        -
        Z,$X0                                                     20.22 00                014342.40
        Z,I14DMP                                               15167.22 00                014343.00
        LX,$X0,BIT49                                           17407.00 10                014343.40
        LX,$X2,$X0                                                20.04 10                014344.00
        SR,$X2,I14DMP                                          15167.05 70                014344.40
        KV,$X1,I14DMP                                          15167.02 90                014345.00
        BXE,$+1.32                                             14347.32 C2                014345.40
        SIC,SEN                 -LX BIT 49 FROM IX CORE STG OR  1310.00 80                014346.00
        B,SERS                  -SR BIT 49 TO EXT. MEM. FAILS.  1304.10 00                014346.40
        -
        Z,$R                                                      11.22 00                014347.00
        LX,$X0,BIT49                                           17407.00 10                014347.40
        SR,$X0,$R                                                 11.01 70                014350.00
        KV,$X1,$R                                                 11.02 90                014350.40
        BXE,$+1.32                                             14352.72 C2                014351.00
        SIC,SEN                 -LX BIT 49 FRM EXT. MEM. OR     1310.00 80                014351.40
        B,SERS                  -SR BIT 49 TO INT. MEM. FAILS.  1304.10 00                014352.00
        -
        Z,$X3                                                     23.22 00                014352.40
        LX,$X0,BIT49                                           17407.00 10                014353.00
        SR,$X0,$X3                                                23.01 70                014353.40
        KV,$X1,$X3                                                23.02 90                014354.00
        BXE,$+1.32                                             14356.32 C2                014354.40
        SIC,SEN                 -LX BIT 49 FRM EXT. MEM. OR     1310.00 80                014355.00
        B,SERS                  -SR BIT 49 TO INDEX CORE STG FAILS. 1304.10 00            014355.40
        -
        B,$+1.0                                                14357.10 00                014356.00
        BD,I144                                                14331.04 00                014356.40
        SIC,SEN0+.32                                            1311.40 80                014357.00
        B,SSW                   -TO SSIP.                       1301.10 00                014357.40
        BD,$+.32                                               14360.44 00                014360.00
        -
        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.      15165.32 10                014360.40
        V+,$X13,BIT3                                           17331.32 B0                014361.00
        SX,$X13,IC214                                          15165.33 10                014361.40
```

```
1145    Z,$X0                   -TEST LX AND SR, BIT 50.        20.22 00                014362.00
        LX,$X0,BIT50                                         17410.00 10                014362.40
        LX,$X1,BIT4             -REFILL BIT MINUS 46.        17332.02 10                014363.00
        Z,I14DMP                                             15167.22 00                014363.40
        SR,$X0,I14DMP                                        15167.01 70                014364.00
        KV,$X1,I14DMP                                        15167.02 90                014364.40
        BXE,$+1.32                                           14366.72 C2                014365.00
        SIC,SEN                 -LX BIT 50 FRM EXT. MEM. OR   1310.00 80                014365.40
        B,SERS                  -SR BIT 50 TO EXT. MEM. FAILS. 1304.10 00               014366.00
        -
        Z,$X0                                                   20.22 00                014366.40
        Z,I14DMP                                             15167.22 00                014367.00
        L%BU¤,BIT50                                          17410.00 80 000000.20 50   014367.40
        LX,$X0,$R                                               11.00 10                014370.40
        SR,$X0,I14DMP                                        15167.01 70                014371.00
        KV,$X1,I14DMP                                        15167.02 90                014371.40
        BXE,$+1.32                                           14373.72 C2                014372.00
        SIC,SEN                 -LX BIT 50 FRM INT. MEM. OR   1310.00 80                014372.40
        B,SERS                  -SR BIT 50 TO EXT. MEM. FAILS. 1304.10 00               014373.00
        -
        Z,$X0                                                   20.22 00                014373.40
        Z,I14DMP                                             15167.22 00                014374.00
        LX,$X0,BIT50                                         17410.00 10                014374.40
        LX,$X2,$X0                                              20.04 10                014375.00
        SR,$X2,I14DMP                                        15167.05 70                014375.40
        KV,$X1,I14DMP                                        15167.02 90                014376.00
        BXE,$+1.32                                           14400.32 C2                014376.40
        SIC,SEN                 -LX BIT 50 FROM IX CORE STG OR 1310.00 80               014377.00
        B,SERS                  -SR BIT 50 TO EXT. MEM. FAILS. 1304.10 00               014377.40
        -
        Z,$R                                                    11.22 00                014400.00
        LX,$X0,BIT50                                         17410.00 10                014400.40
        SR,$X0,$R                                               11.01 70                014401.00
        KV,$X1,$R                                               11.02 90                014401.40
        BXE,$+1.32                                           14403.72 C2                014402.00
        SIC,SEN                 -LX BIT 50 FRM EXT. MEM. OR   1310.00 80                014402.40
        B,SERS                  -SR BIT 50 TO INT. MEM. FAILS. 1304.10 00               014403.00
        -
        Z,$X3                                                   23.22 00                014403.40
        LX,$X0,BIT50                                         17410.00 10                014404.00
        SR,$X0,$X3                                              23.01 70                014404.40
        KV,$X1,$X3                                              23.02 90                014405.00
        BXE,$+1.32                                           14407.32 C2                014405.40
        SIC,SEN                 -LX BIT 50 FRM EXT. MEM. OR   1310.00 80                014406.00
        B,SERS                  -SR BIT 50 TO INDEX CORE STG FAILS. 1304.10 00          014406.40
        -
        B,$+1.0                                              14410.10 00                014407.00
        BD,I145                                              14362.04 00                014407.40
        SIC,SEN0+.32                                          1311.40 80                014410.00
        B,SSW                   -TO SSIP.                     1301.10 00                014410.40
        BD,$+.32                                             14411.44 00                014411.00
                                                                -
        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.    15165.32 10                014411.40
        V+,$X13,BIT4                                         17332.32 B0                014412.00
        SX,$X13,IC214                                        15165.33 10                014412.40
```

```
1146    Z,$X0                   -TEST LX AND SR, BIT 51.        20.22 00                014413.00
        LX,$X0,BIT51                                         17411.00 10                014413.40
        LX,$X1,BIT5             -REFILL BIT MINUS 46.        17333.02 10                014414.00
        Z,I14DMP                                             15167.22 00                014414.40
        SR,$X0,I14DMP                                        15167.01 70                014415.00
        KV,$X1,I14DMP                                        15167.02 90                014415.40
        BXE,$+1.32                                           14417.72 C2                014416.00
        SIC,SEN                 -LX BIT 51 FRM EXT. MEM. OR   1310.00 80                014416.40
        B,SERS                  -SR BIT 51 TO EXT. MEM. FAILS. 1304.10 00               014417.00
        -
        Z,$X0                                                   20.22 00                014417.40
        Z,I14DMP                                             15167.22 00                014420.00
        L%BU¤,BIT51                                          17411.00 80 000000.20 50   014420.40
        LX,$X0,$R                                               11.00 10                014421.40
        SR,$X0,I14DMP                                        15167.01 70                014422.00
        KV,$X1,I14DMP                                        15167.02 90                014422.40
        BXE,$+1.32                                           14424.72 C2                014423.00
        SIC,SEN                 -LX BIT 51 FRM INT. MEM. OR   1310.00 80                014423.40
        B,SERS                  -SR BIT 51 TO EXT. MEM. FAILS. 1304.10 00               014424.00
        -
        Z,$X0                                                   20.22 00                014424.40
        Z,I14DMP                                             15167.22 00                014425.00
        LX,$X0,BIT51                                         17411.00 10                014425.40
        LX,$X2,$X0                                              20.04 10                014426.00
        SR,$X2,I14DMP                                        15167.05 70                014426.40
        KV,$X1,I14DMP                                        15167.02 90                014427.00
        BXE,$+1.32                                           14431.32 C2                014427.40
        SIC,SEN                 -LX BIT 51 FROM IX CORE STG OR 1310.00 80               014430.00
        B,SERS                  -SR BIT 51 TO EXT. MEM. FAILS. 1304.10 00               014430.40
        -
        Z,$R                                                    11.22 00                014431.00
        LX,$X0,BIT51                                         17411.00 10                014431.40
        SR,$X0,$R                                               11.01 70                014432.00
        KV,$X1,$R                                               11.02 90                014432.40
        BXE,$+1.32                                           14434.72 C2                014433.00
        SIC,SEN                 -LX BIT 51 FRM EXT. MEM. OR   1310.00 80                014433.40
        B,SERS                  -SR BIT 51 TO INT. MEM. FAILS. 1304.10 00               014434.00
        -
        Z,$X3                                                   23.22 00                014434.40
        LX,$X0,BIT51                                         17411.00 10                014435.00
        SR,$X0,$X3                                              23.01 70                014435.40
        KV,$X1,$X3                                              23.02 90                014436.00
        BXE,$+1.32                                           14440.32 C2                014436.40
        SIC,SEN                 -LX BIT 51 FRM EXT. MEM. OR   1310.00 80                014437.00
        B,SERS                  -SR BIT 51 TO INDEX CORE STG FAILS. 1304.10 00          014437.40
        -
        B,$+1.0                                              14441.10 00                014440.00
        BD,I146                                              14413.04 00                014440.40
        SIC,SEN0+.32                                          1311.40 80                014441.00
        B,SSW                   -TO SSIP.                     1301.10 00                014441.40
        BD,$+.32                                             14442.44 00                014442.00
        -
        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.    15165.32 10                014442.40
        V+,$X13,BIT5                                         17333.32 B0                014443.00
        SX,$X13,IC214                                        15165.33 10                014443.40
```

```
1147    Z,$X0                   -TEST LX AND SR, BIT 52.
        LX,$X0,BIT52
        LX,$X1,BIT6             -REFILL BIT MINUS 46.
        Z,I14DMP
        SR,$X0,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 52 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 52 TO EXT. MEM. FAILS.
        -
        Z,$X0
        Z,I14DMP
        L%BU¤,BIT52
        LX,$X0,$R
        SR,$X0,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 52 FRM INT. MEM. OR
        B,SERS                  -SR BIT 52 TO EXT. MEM. FAILS.
        -
        Z,$X0
        Z,I14DMP
        LX,$X0,BIT52
        LX,$X2,$X0
        SR,$X2,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 52 FROM IX CORE STG OR
        B,SERS                  -SR BIT 52 TO EXT. MEM. FAILS.
        -
        Z,$R
        LX,$X0,BIT52
        SR,$X0,$R
        KV,$X1,$R
        BXE,$+1.32
        SIC,SEN                 -LX BIT 52 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 52 TO INT. MEM. FAILS.
        -
        Z,$X3
        LX,$X0,BIT52
        SR,$X0,$X3
        KV,$X1,$X3
        BXE,$+1.32
        SIC,SEN                 -LX BIT 52 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 52 TO INDEX CORE STG FAILS.
        -
        B,$+1.0
        BD,I147
        SIC,SEN0+.32
        B,SSW                   -TO SSIP.
        BD,$+.32

        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.
        V+,$X13,BIT6
        SX,$X13,IC214
```

```
    20.22 00                    014444.00
17412.00 10                     014444.40
17334.02 10                     014445.00
15167.22 00                     014445.40
15167.01 70                     014446.00
15167.02 90                     014446.40
14450.72 C2                     014447.00
 1310.00 80                     014447.40
 1304.10 00                     014450.00

    20.22 00                    014450.40
15167.22 00                     014451.00
17412.00 80 000000.20 50        014451.40
   11.00 10                     014452.40
15167.01 70                     014453.00
15167.02 90                     014453.40
14455.72 C2                     014454.00
 1310.00 80                     014454.40
 1304.10 00                     014455.00

    20.22 00                    014455.40
15167.22 00                     014456.00
17412.00 10                     014456.40
   20.04 10                     014457.00
15167.05 70                     014457.40
15167.02 90                     014460.00
14462.32 C2                     014460.40
 1310.00 80                     014461.00
 1304.10 00                     014461.40

   11.22 00                     014462.00
17412.00 10                     014462.40
   11.01 70                     014463.00
   11.02 90                     014463.40
14465.72 C2                     014464.00
 1310.00 80                     014464.40
 1304.10 00                     014465.00

   23.22 00                     014465.40
17412.00 10                     014466.00
   23.01 70                     014466.40
   23.02 90                     014467.00
14471.32 C2                     014467.40
 1310.00 80                     014470.00
 1304.10 00                     014470.40

14472.10 00                     014471.00
14444.04 00                     014471.40
 1311.40 80                     014472.00
 1301.10 00                     014472.40
14473.44 00                     014473.00
-
15165.32 10                     014473.40
17334.32 B0                     014474.00
15165.33 10                     014474.40
```

```
1148    Z,$X0                   -TEST LX AND SR,BIT 53.          20.22 00                014475.00
        LX,$X0,BIT 53                                         17413.00 10                014475.40
        LX,$X1,BIT 7            -REFILL BIT MINUS 46.         17335.02 10                014476.00
        Z,I14DMP                                              15167.22 00                014476.40
        SR,$X0,I14DMP                                         15167.01 70                014477.00
        KV,$X1,I14DMP                                         15167.02 90                014477.40
        BXE,$+1.32                                            14501.72 C2                014500.00
        SIC,SEN                 -LX BIT 53 FRM EXT. MEM. OR    1310.00 80                014500.40
        B,SERS                  -SR BIT 53 TO EXT. MEM. FAILS. 1304.10 00                014501.00
        -
        Z,$X0                                                    20.22 00                014501.40
        Z,I14DMP                                              15167.22 00                014502.00
        L%BU¤,BIT 53                                          17413.00 80 000000.20 50   014502.40
        LX,$X0,$R                                                11.00 10                014503.40
        SR,$X0,I14DMP                                         15167.01 70                014504.00
        KV,$X1,I14DMP                                         15167.02 90                014504.40
        BXE,$+1.32                                            14506.72 C2                014505.00
        SIC,SEN                 -LX BIT 53 FRM INT. MEM. OR    1310.00 80                014505.40
        B,SERS                  -SR BIT 53 TO EXT. MEM. FAILS. 1304.10 00                014506.00
        -
        Z,$X0                                                    20.22 00                014506.40
        Z,I14DMP                                              15167.22 00                014507.00
        LX,$X0,BIT 53                                         17413.00 10                014507.40
        LX,$X2,$X0                                               20.04 10                014510.00
        SR,$X2,I14DMP                                         15167.05 70                014510.40
        KV,$X1,I14DMP                                         15167.02 90                014511.00
        BXE,$+1.32                                            14513.32 C2                014511.40
        SIC,SEN                 -LX BIT 53 FROM IX CORE STG OR 1310.00 80                014512.00
        B,SERS                  -SR BIT 53 TO EXT. MEM. FAILS. 1304.10 00                014512.40
        -
        Z,$R                                                     11.22 00                014513.00
        LX,$X0,BIT 53                                         17413.00 10                014513.40
        SR,$X0,$R                                                11.01 70                014514.00
        KV,$X1,$R                                                11.02 90                014514.40
        BXE,$+1.32                                            14516.72 C2                014515.00
        SIC,SEN                 -LX BIT 53 FRM EXT. MEM. OR    1310.00 80                014515.40
        B,SERS                  -SR BIT 53 TO INT. MEM. FAILS. 1304.10 00                014516.00
        -
        Z,$X3                                                    23.22 00                014516.40
        LX,$X0,BIT 53                                         17413.00 10                014517.00
        SR,$X0,$X3                                               23.01 70                014517.40
        KV,$X1,$X3                                               23.02 90                014520.00
        BXE,$+1.32                                            14522.32 C2                014520.40
        SIC,SEN                 -LX BIT 53 FRM EXT. MEM. OR    1310.00 80                014521.00
        B,SERS                  -SR BIT 53 TO INDEX CORE STG FAILS. 1304.10 00           014521.40
        -
        B,$+1.0                                               14523.10 00                014522.00
        BD,I148                                               14475.04 00                014522.40
        SIC,SEN0+.32                                           1311.40 80                014523.00
        B,SSW                   -TO SSIP.                      1301.10 00                014523.40
        BD,$+.32                                              14524.44 00                014524.00

        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.     15165.32 10                014524.40
        V+,$X13,BIT7                                          17335.32 B0                014525.00
        SX,$X13,IC214                                         15165.33 10                014525.40
```

```
1149    Z,$X0                   -TEST LX AND SR,BIT 54.          20.22 00                014526.00
        LX,$X0,BIT 54                                         17414.00 10                014526.40
        LX,$X1,BIT 8            -REFILL BIT MINUS 46.         17336.02 10                014527.00
        Z,I14DMP                                              15167.22 00                014527.40
        SR,$X0,I14DMP                                         15167.01 70                014530.00
        KV,$X1,I14DMP                                         15167.02 90                014530.40
        BXE,$+1.32                                            14532.72 C2                014531.00
        SIC,SEN                 -LX BIT 54 FRM EXT. MEM. OR    1310.00 80                014531.40
        B,SERS                  -SR BIT 54 TO EXT. MEM. FAILS. 1304.10 00                014532.00
        -
        Z,$X0                                                    20.22 00                014532.40
        Z,I14DMP                                              15167.22 00                014533.00
        L%BU¤,BIT 54                                          17414.00 80 000000.20 50   014533.40
        LX,$X0,$R                                                11.00 10                014534.40
        SR,$X0,I14DMP                                         15167.01 70                014535.00
        KV,$X1,I14DMP                                         15167.02 90                014535.40
        BXE,$+1.32                                            14537.72 C2                014536.00
        SIC,SEN                 -LX BIT 54 FRM INT. MEM. OR    1310.00 80                014536.40
        B,SERS                  -SR BIT 54 TO EXT. MEM. FAILS. 1304.10 00                014537.00
        -
        Z,$X0                                                    20.22 00                014537.40
        Z,I14DMP                                              15167.22 00                014540.00
        LX,$X0,BIT 54                                         17414.00 10                014540.40
        LX,$X2,$X0                                               20.04 10                014541.00
        SR,$X2,I14DMP                                         15167.05 70                014541.40
        KV,$X1,I14DMP                                         15167.02 90                014542.00
        BXE,$+1.32                                            14544.32 C2                014542.40
        SIC,SEN                 -LX BIT 54 FROM IX CORE STG OR 1310.00 80                014543.00
        B,SERS                  -SR BIT 54 TO EXT. MEM. FAILS. 1304.10 00                014543.40
        -
        Z,$R                                                     11.22 00                014544.00
        LX,$X0,BIT 54                                         17414.00 10                014544.40
        SR,$X0,$R                                                11.01 70                014545.00
        KV,$X1,$R                                                11.02 90                014545.40
        BXE,$+1.32                                            14547.72 C2                014546.00
        SIC,SEN                 -LX BIT 54 FRM EXT. MEM. OR    1310.00 80                014546.40
        B,SERS                  -SR BIT 54 TO INT. MEM. FAILS. 1304.10 00                014547.00
        -
        Z,$X3                                                    23.22 00                014547.40
        LX,$X0,BIT 54                                         17414.00 10                014550.00
        SR,$X0,$X3                                               23.01 70                014550.40
        KV,$X1,$X3                                               23.02 90                014551.00
        BXE,$+1.32                                            14553.32 C2                014551.40
        SIC,SEN                 -LX BIT 54 FRM EXT. MEM. OR    1310.00 80                014552.00
        B,SERS                  -SR BIT 54 TO INDEX CORE STG FAILS. 1304.10 00           014552.40
        -
        B,$+1.0                                               14554.10 00                014553.00
        BD,I149                                               14526.04 00                014553.40
        SIC,SEN0+.32                                           1311.40 80                014554.00
        B,SSW                   -TO SSIP.                      1301.10 00                014554.40
        BD,$+.32                                              14555.44 00                014555.00
        -
        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.     15165.32 10                014555.40
        V+,$X13,BIT8                                          17336.32 B0                014556.00
        SX,$X13,IC214                                         15165.33 10                014556.40
```

```
I1410   Z,$X0                -TEST LX AND SR,BIT 55.          20.22 00                014557.00
        LX,$X0,BIT 55                                      17415.00 10                014557.40
        LX,$X1,BIT 9        -REFILL BIT MINUS 46.          17337.02 10                014560.00
        Z,I14DMP                                           15167.22 00                014560.40
        SR,$X0,I14DMP                                      15167.01 70                014561.00
        KV,$X1,I14DMP                                      15167.02 90                014561.40
        BXE,$+1.32                                         14563.72 C2                014562.00
        SIC,SEN             -LX BIT 55 FRM EXT. MEM. OR     1310.00 80                014562.40
        B,SERS              -SR BIT 55 TO EXT. MEM. FAILS. 1304.10 00                014563.00
        -
        Z,$X0                                                20.22 00                014563.40
        Z,I14DMP                                           15167.22 00                014564.00
        L%BU¤,BIT 55                                       17415.00 80 000000.20 50   014564.40
        LX,$X0,$R                                            11.00 10                014565.40
        SR,$X0,I14DMP                                      15167.01 70                014566.00
        KV,$X1,I14DMP                                      15167.02 90                014566.40
        BXE,$+1.32                                         14570.72 C2                014567.00
        SIC,SEN             -LX BIT 55 FRM INT. MEM. OR     1310.00 80                014567.40
        B,SERS              -SR BIT 55 TO EXT. MEM. FAILS. 1304.10 00                014570.00
        -
        Z,$X0                                                20.22 00                014570.40
        Z,I14DMP                                           15167.22 00                014571.00
        LX,$X0,BIT 55                                      17415.00 10                014571.40
        LX,$X2,$X0                                           20.04 10                014572.00
        SR,$X2,I14DMP                                      15167.05 70                014572.40
        KV,$X1,I14DMP                                      15167.02 90                014573.00
        BXE,$+1.32                                         14575.32 C2                014573.40
        SIC,SEN             -LX BIT 55 FROM IX CORE STG OR  1310.00 80                014574.00
        B,SERS              -SR BIT 55 TO EXT. MEM. FAILS. 1304.10 00                014574.40
        -
        Z,$R                                                 11.22 00                014575.00
        LX,$X0,BIT 55                                      17415.00 10                014575.40
        SR,$X0,$R                                            11.01 70                014576.00
        KV,$X1,$R                                            11.02 90                014576.40
        BXE,$+1.32                                         14600.72 C2                014577.00
        SIC,SEN             -LX BIT 55 FRM EXT. MEM. OR     1310.00 80                014577.40
        B,SERS              -SR BIT 55 TO INT. MEM. FAILS. 1304.10 00                014600.00
        -
        Z,$X3                                                23.22 00                014600.40
        LX,$X0,BIT 55                                      17415.00 10                014601.00
        SR,$X0,$X3                                           23.01 70                014601.40
        KV,$X1,$X3                                           23.02 90                014602.00
        BXE,$+1.32                                         14604.32 C2                014602.40
        SIC,SEN             -LX BIT 55 FRM EXT. MEM. OR     1310.00 80                014603.00
        B,SERS              -SR BIT 55 TO INDEX CORE STG FAILS. 1304.10 00           014603.40
        -
        B,$+1.0                                            14605.10 00                014604.00
        BD,I1410                                           14557.04 00                014604.40
        SIC,SEN0+.32                                        1311.40 80                014605.00
        B,SSW               -TO SSIP.                       1301.10 00                014605.40
        BD,$+.32                                           14606.44 00                014606.00
        -
        LX,$X13,IC214       -UPDATE CONTINUITY CHECK.      15165.32 10                014606.40
        V+,$X13,BIT9                                       17337.32 B0                014607.00
        SX,$X13,IC214                                      15165.33 10                014607.40
```

```
11411   Z,$X0                   -TEST LX AND SR,BIT 56.
        LX,$X0,BIT 56
        LX,$X1,BIT 10           -REFILL BIT MINUS 46.
        Z,I14DMP
        SR,$X0,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 56 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 56 TO EXT. MEM. FAILS.
        -
        Z,$X0
        Z,I14DMP
        L%BU¤,BIT 56
        LX,$X0,$R
        SR,$X0,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 56 FRM INT. MEM. OR
        B,SERS                  -SR BIT 56 TO EXT. MEM. FAILS.
        -
        Z,$X0
        Z,I14DMP
        LX,$X0,BIT 56
        LX,$X2,$X0
        SR,$X2,I14DMP
        KV,$X1,I14DMP
        BXE,$+1.32
        SIC,SEN                 -LX BIT 56 FROM IX CORE STG OR
        B,SERS                  -SR BIT 56 TO EXT. MEM. FAILS.
        -
        Z,$R
        LX,$X0,BIT56
        SR,$X0,$R
        KV,$X1,$R
        BXE,$+1.32
        SIC,SEN                 -LX BIT 56 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 56 TO INT. MEM. FAILS.
        -
        Z,$X3
        LX,$X0,BIT56
        SR,$X0,$X3
        KV,$X1,$X3
        BXE,$+1.32
        SIC,SEN                 -LX BIT 56 FRM EXT. MEM. OR
        B,SERS                  -SR BIT 56 TO INDEX CORE STG FAILS.
        -
        B,$+1.0
        BD,I1411
        SIC,SEN0+.32
        B,SSW                   -TO SSIP.
        BD,$+.32
        -
        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.
        V+,$X13,BIT10
        SX,$X13,IC214
```

```
20.22 00                014610.00
17416.00 10             014610.40
17340.02 10             014611.00
15167.22 00             014611.40
15167.01 70             014612.00
15167.02 90             014612.40
14614.72 C2             014613.00
 1310.00 80             014613.40
 1304.10 00             014614.00

   20.22 00             014614.40
15167.22 00             014615.00
17416.00 80 000000.20 50 014615.40
   11.00 10             014616.40
15167.01 70             014617.00
15167.02 90             014617.40
14621.72 C2             014620.00
 1310.00 80             014620.40
 1304.10 00             014621.00

   20.22 00             014621.40
15167.22 00             014622.00
17416.00 10             014622.40
   20.04 10             014623.00
15167.05 70             014623.40
15167.02 90             014624.00
14626.32 C2             014624.40
 1310.00 80             014625.00
 1304.10 00             014625.40

   11.22 00             014626.00
17416.00 10             014626.40
   11.01 70             014627.00
   11.02 90             014627.40
14631.72 C2             014630.00
 1310.00 80             014630.40
 1304.10 00             014631.00

   23.22 00             014631.40
17416.00 10             014632.00
   23.01 70             014632.40
   23.02 90             014633.00
14635.32 C2             014633.40
 1310.00 80             014634.00
 1304.10 00             014634.40

14636.10 00             014635.00
14610.04 00             014635.40
 1311.40 80             014636.00
 1301.10 00             014636.40
14637.44 00             014637.00

15165.32 10             014637.40
17340.32 B0             014640.00
15165.33 10             014640.40
```

```
 I1412   Z,$X0              -TEST LX AND SR, BIT 57.          20.22 00                014641.00
         LX,$X0,BIT57                                      17417.00 10                014641.40
         LX,$X1,BIT11       -REFILL BIT MINUS 46.          17341.02 10                014642.00
         Z,I14DMP                                          15167.22 00                014642.40
         SR,$X0,I14DMP                                     15167.01 70                014643.00
         KV,$X1,I14DMP                                     15167.02 90                014643.40
         BXE,$+1.32                                        14645.72 C2                014644.00
         SIC,SEN            -LX BIT 57 FRM EXT. MEM. OR    1310.00 80                014644.40
         B,SERS             -SR BIT 57 TO EXT. MEM. FAILS. 1304.10 00                014645.00
         -
         Z,$X0                                                20.22 00                014645.40
         Z,I14DMP                                          15167.22 00                014646.00
         L%BU¤,BIT57                                       17417.00 80 000000.20 50   014646.40
         LX,$X0,$R                                            11.00 10                014647.40
         SR,$X0,I14DMP                                     15167.01 70                014650.00
         KV,$X1,I14DMP                                     15167.02 90                014650.40
         BXE,$+1.32                                        14652.72 C2                014651.00
         SIC,SEN            -LX BIT 57 FRM INT. MEM. OR    1310.00 80                014651.40
         B,SERS             -SR BIT 57 TO EXT. MEM. FAILS. 1304.10 00                014652.00
         -
         Z,$X0                                                20.22 00                014652.40
         Z,I14DMP                                          15167.22 00                014653.00
         LX,$X0,BIT57                                      17417.00 10                014653.40
         LX,$X2,$X0                                           20.04 10                014654.00
         SR,$X2,I14DMP                                     15167.05 70                014654.40
         KV,$X1,I14DMP                                     15167.02 90                014655.00
         BXE,$+1.32                                        14657.32 C2                014655.40
         SIC,SEN            -LX BIT 57 FROM IX CORE STG OR 1310.00 80                014656.00
         B,SERS             -SR BIT 57 TO EXT. MEM. FAILS. 1304.10 00                014656.40
         -
         Z,$R                                                 11.22 00                014657.00
         LX,$X0,BIT57                                      17417.00 10                014657.40
         SR,$X0,$R                                            11.01 70                014660.00
         KV,$X1,$R                                            11.02 90                014660.40
         BXE,$+1.32                                        14662.72 C2                014661.00
         SIC,SEN            -LX BIT 57 FRM EXT. MEM. OR    1310.00 80                014661.40
         B,SERS             -SR BIT 57 TO INT. MEM. FAILS. 1304.10 00                014662.00
         -
         Z,$X3                                                23.22 00                014662.40
         LX,$X0,BIT57                                      17417.00 10                014663.00
         SR,$X0,$X3                                           23.01 70                014663.40
         KV,$X1,$X3                                           23.02 90                014664.00
         BXE,$+1.32                                        14666.32 C2                014664.40
         SIC,SEN            -LX BIT 57 FRM EXT. MEM. OR    1310.00 80                014665.00
         B,SERS             -SR BIT 57 TO INDEX CORE STG FAILS. 1304.10 00           014665.40
         -
         B,$+1.0                                           14667.10 00                014666.00
         BD,I1412                                          14641.04 00                014666.40
         SIC,SEN0+.32                                       1311.40 80                014667.00
         B,SSW              -TO SSIP.                      1301.10 00                014667.40
         BD,$+.32                                          14670.44 00                014670.00
                                                                -
         LX,$X13,IC214      -UPDATE CONTINUITY CHECK.      15165.32 10                014670.40
         V+,$X13,BIT11                                     17341.32 B0                014671.00
         SX,$X13,IC214                                     15165.33 10                014671.40
```

```
 I1413   Z,$X0              -TEST LX AND SR, BIT 58.          20.22 00                014672.00
         LX,$X0,BIT58                                      17420.00 10                014672.40
         LX,$X1,BIT12       -REFILL BIT MINUS 46.          17342.02 10                014673.00
         Z,I14DMP                                          15167.22 00                014673.40
         SR,$X0,I14DMP                                     15167.01 70                014674.00
         KV,$X1,I14DMP                                     15167.02 90                014674.40
         BXE,$+1.32                                        14676.72 C2                014675.00
         SIC,SEN            -LX BIT 58 FRM EXT. MEM. OR     1310.00 80                014675.40
         B,SERS             -SR BIT 58 TO EXT. MEM. FAILS.  1304.10 00                014676.00
         -
         Z,$X0                                               20.22 00                014676.40
         Z,I14DMP                                          15167.22 00                014677.00
         L%BU¤,BIT58                                       17420.00 80 000000.20 50   014677.40
         LX,$X0,$R                                           11.00 10                014700.40
         SR,$X0,I14DMP                                     15167.01 70                014701.00
         KV,$X1,I14DMP                                     15167.02 90                014701.40
         BXE,$+1.32                                        14703.72 C2                014702.00
         SIC,SEN            -LX BIT 58 FRM INT. MEM. OR     1310.00 80                014702.40
         B,SERS             -SR BIT 58 TO EXT. MEM. FAILS.  1304.10 00                014703.00
         -
         Z,$X0                                               20.22 00                014703.40
         Z,I14DMP                                          15167.22 00                014704.00
         LX,$X0,BIT58                                      17420.00 10                014704.40
         LX,$X2,$X0                                          20.04 10                014705.00
         SR,$X2,I14DMP                                     15167.05 70                014705.40
         KV,$X1,I14DMP                                     15167.02 90                014706.00
         BXE,$+1.32                                        14710.32 C2                014706.40
         SIC,SEN            -LX BIT 58 FROM IX CORE STG OR  1310.00 80                014707.00
         B,SERS             -SR BIT 58 TO EXT. MEM. FAILS.  1304.10 00                014707.40
         -
         Z,$R                                                11.22 00                014710.00
         LX,$X0,BIT 58                                     17420.00 10                014710.40
         SR,$X0,$R                                           11.01 70                014711.00
         KV,$X1,$R                                           11.02 90                014711.40
         BXE,$+1.32                                        14713.72 C2                014712.00
         SIC,SEN            -LX BIT 58 FRM EXT. MEM. OR     1310.00 80                014712.40
         B,SERS             -SR BIT 58 TO INT. MEM. FAILS.  1304.10 00                014713.00
         -
         Z,$X3                                               23.22 00                014713.40
         LX,$X0,BIT 58                                     17420.00 10                014714.00
         SR,$X0,$X3                                          23.01 70                014714.40
         KV,$X1,$X3                                          23.02 90                014715.00
         BXE,$+1.32                                        14717.32 C2                014715.40
         SIC,SEN            -LX BIT 58 FRM EXT. MEM. OR     1310.00 80                014716.00
         B,SERS             -SR BIT 58 TO INDEX CORE STG FAILS. 1304.10 00            014716.40
         B,$+1.0                                           14720.10 00                014717.00
         BD,I1413                                          14672.04 00                014717.40
         SIC,SEN0+.32                                        1311.40 80                014720.00
         B,SSW              -TO SSIP.                        1301.10 00                014720.40
         BD,$+.32                                          14721.44 00                014721.00
         -
         LX,$X13,IC214      -UPDATE CONTINUITY CHECK.      15165.32 10                014721.40
         V+,$X13,BIT12                                     17342.32 B0                014722.00
         SX,$X13,IC214                                     15165.33 10                014722.40
```

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 11414  Z,$X0                  -TEST LX AND SR, BIT 59.          20.22 00                014723.00
        LX,$X0,BIT 59                                          17421.00 10             014723.40
        LX,$X1,BIT 13          -REFILL BIT MINUS 46.           17343.02 10             014724.00
        Z,I14DMP                                               15167.22 00             014724.40
        SR,$X0,I14DMP                                          15167.01 70             014725.00
        KV,$X1,I14DMP                                          15167.02 90             014725.40
        BXE,$+1.32                                             14727.72 C2             014726.00
        SIC,SEN                -LX BIT 59 FRM EXT. MEM. OR      1310.00 80             014726.40
        B,SERS                 -SR BIT 59 TO EXT. MEM. FAILS.   1304.10 00             014727.00
        -
        Z,$X0                                                    20.22 00              014727.40
        Z,I14DMP                                               15167.22 00             014730.00
        L%BU¤,BIT 59                                           17421.00 80 000000.20 50 014730.40
        LX,$X0,$R                                                11.00 10              014731.40
        SR,$X0,I14DMP                                          15167.01 70             014732.00
        KV,$X1,I14DMP                                          15167.02 90             014732.40
        BXE,$+1.32                                             14734.72 C2             014733.00
        SIC,SEN                -LX BIT 59 FRM INT. MEM. OR      1310.00 80             014733.40
        B,SERS                 -SR BIT 59 TO EXT. MEM. FAILS.   1304.10 00             014734.00
        -
        Z,$X0                                                    20.22 00              014734.40
        Z,I14DMP                                               15167.22 00             014735.00
        LX,$X0,BIT 59                                          17421.00 10             014735.40
        LX,$X2,$X0                                               20.04 10              014736.00
        SR,$X2,I14DMP                                          15167.05 70             014736.40
        KV,$X1,I14DMP                                          15167.02 90             014737.00
        BXE,$+1.32                                             14741.32 C2             014737.40
        SIC,SEN                -LX BIT 59 FROM IX CORE STG OR   1310.00 80             014740.00
        B,SERS                 -SR BIT 59 TO EXT. MEM. FAILS.   1304.10 00             014740.40
        -
        Z,$R                                                     11.22 00              014741.00
        LX,$X0,BIT59                                           17421.00 10             014741.40
        SR,$X0,$R                                                11.01 70              014742.00
        KV,$X1,$R                                                11.02 90              014742.40
        BXE,$+1.32                                             14744.72 C2             014743.00
        SIC,SEN                -LX BIT 59 FRM EXT. MEM. OR      1310.00 80             014743.40
        B,SERS                 -SR BIT 59 TO INT. MEM. FAILS.   1304.10 00             014744.00
        -
        Z,$X3                                                    23.22 00              014744.40
        LX,$X0,BIT59                                           17421.00 10             014745.00
        SR,$X0,$X3                                               23.01 70              014745.40
        KV,$X1,$X3                                               23.02 90              014746.00
        BXE,$+1.32                                             14750.32 C2             014746.40
        SIC,SEN                -LX BIT 59 FRM EXT. MEM. OR      1310.00 80             014747.00
        B,SERS                 -SR BIT 59 TO INDEX CORE STG FAILS. 1304.10 00          014747.40
        -
        B,$+1.0                                                14751.10 00             014750.00
        BD,I1414                                               14723.04 00             014750.40
        SIC,SEN0+.32                                             1311.40 80            014751.00
        B,SSW                  -TO SSIP.                         1301.10 00            014751.40
        BD,$+.32                                               14752.44 00             014752.00
        -
        LX,$X13,IC214          -UPDATE CONTINUITY CHECK.       15165.32 10             014752.40
        V+,$X13,BIT13                                          17343.32 B0             014753.00
        SX,$X13,IC214                                          15165.33 10             014753.40
```

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11415   Z,$X0                   -TEST LX AND SR, BIT 60.          20.22 00                014754.00
        LX,$X0,BIT60                                           17422.00 10                014754.40
        LX,$X1,BIT14            -REFILL BIT MINUS 46.          17344.02 10                014755.00
        Z,!14DMP                                               15167.22 00                014755.40
        SR,$X0,!14DMP                                          15167.01 70                014756.00
        KV,$X1,!14DMP                                          15167.02 90                014756.40
        BXE,$+1.32                                             14760.72 C2                014757.00
        SIC,SEN                 -LX BIT 60 FRM EXT. MEM. OR     1310.00 80                014757.40
        B,SERS                  -SR BIT 60 TO EXT. MEM. FAILS. 1304.10 00                014760.00
        -
        Z,$X0                                                    20.22 00                014760.40
        Z,!14DMP                                               15167.22 00                014761.00
        L%BU¤,BIT60                                            17422.00 80 000000.20 50   014761.40
        LX,$X0,$R                                                11.00 10                014762.40
        SR,$X0,!14DMP                                          15167.01 70                014763.00
        KV,$X1,!14DMP                                          15167.02 90                014763.40
        BXE,$+1.32                                             14765.72 C2                014764.00
        SIC,SEN                 -LX BIT 60 FRM INT. MEM. OR     1310.00 80                014764.40
        B,SERS                  -SR BIT 60 TO EXT. MEM. FAILS. 1304.10 00                014765.00
        -
        Z,$X0                                                    20.22 00                014765.40
        Z,!14DMP                                               15167.22 00                014766.00
        LX,$X0,BIT60                                           17422.00 10                014766.40
        LX,$X2,$X0                                               20.04 10                014767.00
        SR,$X2,!14DMP                                          15167.05 70                014767.40
        KV,$X1,!14DMP                                          15167.02 90                014770.00
        BXE,$+1.32                                             14772.32 C2                014770.40
        SIC,SEN                 -LX BIT 60 FROM IX CORE STG OR  1310.00 80                014771.00
        B,SERS                  -SR BIT 60 TO EXT. MEM. FAILS. 1304.10 00                014771.40
        -
        Z,$R                                                     11.22 00                014772.00
        LX,$X0,BIT60                                           17422.00 10                014772.40
        SR,$X0,$R                                                11.01 70                014773.00
        KV,$X1,$R                                                11.02 90                014773.40
        BXE,$+1.32                                             14775.72 C2                014774.00
        SIC,SEN                 -LX BIT 60 FRM EXT. MEM. OR     1310.00 80                014774.40
        B,SERS                  -SR BIT 60 TO INT. MEM. FAILS. 1304.10 00                014775.00
        -
        Z,$X3                                                    23.22 00                014775.40
        LX,$X0,BIT60                                           17422.00 10                014776.00
        SR,$X0,$X3                                               23.01 70                014776.40
        KV,$X1,$X3                                               23.02 90                014777.00
        BXE,$+1.32                                             15001.32 C2                014777.40
        SIC,SEN                 -LX BIT 60 FRM EXT. MEM. OR     1310.00 80                015000.00
        B,SERS                  -SR BIT 60 TO INDEX CORE STG FAILS. 1304.10 00           015000.40
        -
        B,$+1.0                                                15002.10 00                015001.00
        BD,!1415                                               14754.04 00                015001.40
        SIC,SEN0+.32                                            1311.40 80                015002.00
        B,SSW                   -TO SSIP.                       1301.10 00                015002.40
        BD,$+.32                                               15003.44 00                015003.00
        -
        LX,$X13,!C214           -UPDATE CONTINUITY CHECK.      15165.32 10                015003.40
        V+,$X13,BIT14                                          17344.32 B0                015004.00
        SX,$X13,!C214                                          15165.33 10                015004.40
```

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11416   Z,$X0                   -TEST LX AND SR, BIT 61.        20.22 00                015005.00
        LX,$X0,BIT61                                         17423.00 10                015005.40
        LX,$X1,BIT15            -REFILL BIT MINUS 46.        17345.02 10                015006.00
        Z,I14DMP                                             15167.22 00                015006.40
        SR,$X0,I14DMP                                        15167.01 70                015007.00
        KV,$X1,I14DMP                                        15167.02 90                015007.40
        BXE,$+1.32                                           15011.72 C2                015010.00
        SIC,SEN                 -LX BIT 61 FRM EXT. MEM. OR   1310.00 80                015010.40
        B,SERS                  -SR BIT 61 TO EXT. MEM. FAILS. 1304.10 00               015011.00
        -
        Z,$X0                                                   20.22 00                015011.40
        Z,I14DMP                                             15167.22 00                015012.00
        L%BU¤,BIT61                                          17423.00 80 000000.20 50   015012.40
        LX,$X0,$R                                               11.00 10                015013.40
        SR,$X0,I14DMP                                        15167.01 70                015014.00
        KV,$X1,I14DMP                                        15167.02 90                015014.40
        BXE,$+1.32                                           15016.72 C2                015015.00
        SIC,SEN                 -LX BIT 61 FRM INT. MEM. OR   1310.00 80                015015.40
        B,SERS                  -SR BIT 61 TO EXT. MEM. FAILS. 1304.10 00               015016.00
        -
        Z,$X0                                                   20.22 00                015016.40
        Z,I14DMP                                             15167.22 00                015017.00
        LX,$X0,BIT61                                         17423.00 10                015017.40
        LX,$X2,$X0                                              20.04 10                015020.00
        SR,$X2,I14DMP                                        15167.05 70                015020.40
        KV,$X1,I14DMP                                        15167.02 90                015021.00
        BXE,$+1.32                                           15023.32 C2                015021.40
        SIC,SEN                 -LX BIT 61 FROM IX CORE STG OR 1310.00 80               015022.00
        B,SERS                  -SR BIT 61 TO EXT. MEM. FAILS. 1304.10 00               015022.40
        -
        Z,$R                                                    11.22 00                015023.00
        LX,$X0,BIT61                                         17423.00 10                015023.40
        SR,$X0,$R                                               11.01 70                015024.00
        KV,$X1,$R                                               11.02 90                015024.40
        BXE,$+1.32                                           15026.72 C2                015025.00
        SIC,SEN                 -LX BIT 61 FRM EXT. MEM. OR   1310.00 80                015025.40
        B,SERS                  -SR BIT 61 TO INT. MEM. FAILS. 1304.10 00               015026.00
        -
        Z,$X3                                                   23.22 00                015026.40
        LX,$X0,BIT61                                         17423.00 10                015027.00
        SR,$X0,$X3                                              23.01 70                015027.40
        KV,$X1,$X3                                              23.02 90                015030.00
        BXE,$+1.32                                           15032.32 C2                015030.40
        SIC,SEN                 -LX BIT 61 FRM EXT. MEM. OR   1310.00 80                015031.00
        B,SERS                  -SR BIT 61 TO INDEX CORE STG FAILS 1304.10 00           015031.40
        -
        B,$+1.0                                              15033.10 00                015032.00
        BD,I1416                                             15005.04 00                015032.40
        SIC,SEN0+.32                                          1311.40 80                015033.00
        B,SSW                   -TO SSIP.                     1301.10 00                015033.40
        BD,$+.32                                             15034.44 00                015034.00
                                                                -
        LX,$X13,IC214           -UPDATE CONTINUITY CHECK.    15165.32 10                015034.40
        V+,$X13,BIT15                                        17345.32 B0                015035.00
        SX,$X13,IC214                                        15165.33 10                015035.40
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 11417   Z,$X0                  -TEST LX AND SR,BIT 62.          20.22 00                  015036.00
         LX,$X0,BIT 62                                        17424.00 10                  015036.40
         LX,$X1,BIT 16          -REFILL BIT MINUS 46.         17346.02 10                  015037.00
         Z,I14DMP                                             15167.22 00                  015037.40
         SR,$X0,I14DMP                                        15167.01 70                  015040.00
         KV,$X1,I14DMP                                        15167.02 90                  015040.40
         BXE,$+1.32                                           15042.72 C2                  015041.00
         SIC,SEN                -LX BIT 62 FRM EXT. MEM. OR    1310.00 80                  015041.40
         B,SERS                 -SR BIT 62 TO EXT. MEM. FAILS. 1304.10 00                  015042.00
         -
         Z,$X0                                                   20.22 00                  015042.40
         Z,I14DMP                                             15167.22 00                  015043.00
         L%BU¤,BIT 62                                         17424.00 80 000000.20 50     015043.40
         LX,$X0,$R                                               11.00 10                  015044.40
         SR,$X0,I14DMP                                        15167.01 70                  015045.00
         KV,$X1,I14DMP                                        15167.02 90                  015045.40
         BXE,$+1.32                                           15047.72 C2                  015046.00
         SIC,SEN                -LX BIT 62 FRM INT. MEM. OR    1310.00 80                  015046.40
         B,SERS                 -SR BIT 62 TO EXT. MEM. FAILS. 1304.10 00                  015047.00
         -
         Z,$X0                                                   20.22 00                  015047.40
         Z,I14DMP                                             15167.22 00                  015050.00
         LX,$X0,BIT 62                                        17424.00 10                  015050.40
         LX,$X2,$X0                                              20.04 10                  015051.00
         SR,$X2,I14DMP                                        15167.05 70                  015051.40
         KV,$X1,I14DMP                                        15167.02 90                  015052.00
         BXE,$+1.32                                           15054.32 C2                  015052.40
         SIC,SEN                -LX BIT 62 FROM IX CORE STG OR 1310.00 80                  015053.00
         B,SERS                 -SR BIT 62 TO EXT. MEM. FAILS. 1304.10 00                  015053.40
         -
         Z,$R                                                    11.22 00                  015054.00
         LX,$X0,BIT62                                         17424.00 10                  015054.40
         SR,$X0,$R                                               11.01 70                  015055.00
         KV,$X1,$R                                               11.02 90                  015055.40
         BXE,$+1.32                                           15057.72 C2                  015056.00
         SIC,SEN                -LX BIT 62 FRM EXT. MEM. OR    1310.00 80                  015056.40
         B,SERS                 -SR BIT 62 TO INT. MEM. FAILS. 1304.10 00                  015057.00
         -
         Z,$X3                                                   23.22 00                  015057.40
         LX,$X0,BIT62                                         17424.00 10                  015060.00
         SR,$X0,$X3                                              23.01 70                  015060.40
         KV,$X1,$X3                                              23.02 90                  015061.00
         BXE,$+1.32                                           15063.32 C2                  015061.40
         SIC,SEN                -LX BIT 62 FRM EXT. MEM. OR    1310.00 80                  015062.00
         B,SERS                 -SR BIT 62 TO INDEX CORE STG FAILS. 1304.10 00             015062.40
         -
         B,$+1.0                                              15064.10 00                  015063.00
         BD,I1417                                             15036.04 00                  015063.40
         SIC,SEN0+.32                                          1311.40 80                  015064.00
         B,SSW                  -TO SSIP.                      1301.10 00                  015064.40
         BD,$+.32                                             15065.44 00                  015065.00
                                                                 -
         LX,$X13,IC214          -UPDATE CONTINUITY CHECK.     15165.32 10                  015065.40
         V+,$X13,BIT16                                        17346.32 B0                  015066.00
         SX,$X13,IC214                                        15165.33 10                  015066.40
```

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I1418   Z,$X0           -TEST LX AND SR, BIT 63.          20.22 00                015067.00
        LX,$X0,BIT63                                   17425.00 10                015067.40
        LX,$X1,BIT17    -REFILL BIT MINUS 46.          17347.02 10                015070.00
        Z,I14DMP                                       15167.22 00                015070.40
        SR,$X0,I14DMP                                  15167.01 70                015071.00
        KV,$X1,I14DMP                                  15167.02 90                015071.40
        BXE,$+1.32                                     15073.72 C2                015072.00
        SIC,SEN         -LX BIT 63 FRM EXT. MEM. OR     1310.00 80                015072.40
        B,SERS          -SR BIT 63 TO EXT. MEM. FAILS. 1304.10 00                015073.00
        -
        Z,$X0                                            20.22 00                015073.40
        Z,I14DMP                                       15167.22 00                015074.00
        L%BU¤,BIT63                                    17425.00 80 000000.20 50   015074.40
        LX,$X0,$R                                        11.00 10                015075.40
        SR,$X0,I14DMP                                  15167.01 70                015076.00
        KV,$X1,I14DMP                                  15167.02 90                015076.40
        BXE,$+1.32                                     15100.72 C2                015077.00
        SIC,SEN         -LX BIT 63 FRM INT. MEM. OR     1310.00 80                015077.40
        B,SERS          -SR BIT 63 TO EXT. MEM. FAILS. 1304.10 00                015100.00
        -
        Z,$X0                                            20.22 00                015100.40
        Z,I14DMP                                       15167.22 00                015101.00
        LX,$X0,BIT63                                   17425.00 10                015101.40
        LX,$X2,$X0                                       20.04 10                015102.00
        SR,$X2,I14DMP                                  15167.05 70                015102.40
        KV,$X1,I14DMP                                  15167.02 90                015103.00
        BXE,$+1.32                                     15105.32 C2                015103.40
        SIC,SEN         -LX BIT 63 FROM IX CORE STG OR  1310.00 80                015104.00
        B,SERS          -SR BIT 63 TO EXT. MEM. FAILS. 1304.10 00                015104.40
        -
        Z,$R                                             11.22 00                015105.00
        LX,$X0,BIT63                                   17425.00 10                015105.40
        SR,$X0,$R                                        11.01 70                015106.00
        KV,$X1,$R                                        11.02 90                015106.40
        BXE,$+1.32                                     15110.72 C2                015107.00
        SIC,SEN         -LX BIT 63 FRM EXT. MEM. OR     1310.00 80                015107.40
        B,SERS          -SR BIT 63 TO INT. MEM. FAILS. 1304.10 00                015110.00
        -
        Z,$X3                                            23.22 00                015110.40
        LX,$X0,BIT63                                   17425.00 10                015111.00
        SR,$X0,$X3                                       23.01 70                015111.40
        KV,$X1,$X3                                       23.02 90                015112.00
        BXE,$+1.32                                     15114.32 C2                015112.40
        SIC,SEN         -LX BIT 63 FRM EXT. MEM. OR     1310.00 80                015113.00
        B,SERS          -SR BIT 63 TO INDEX CORE STG FAILS. 1304.10 00           015113.40
        B,$+1.0                                        15115.10 00                015114.00
        BD,I1418                                       15067.04 00                015114.40
        SIC,SEN0+.32                                    1311.40 80                015115.00
        B,SSW           -TO SSIP.                       1301.10 00                015115.40
        BD,$+.32                                       15116.44 00                015116.00
        -
        LX,$X13,IC214   -UPDATE CONTINUITY CHECK.      15165.32 10                015116.40
        V+,$X13,BIT17                                  17347.32 B0                015117.00
        SX,$X13,IC214                                  15165.33 10                015117.40
```

```
 11419   LX,$X0,100Z          -CHECK THAT SR WILL STORE 18          17306.00 10   015120.00
         SR,$X0,1.0           -BITS INTO 1.0.                           1.01 70   015120.40
         LX,$X1,1.0                                                     1.02 10   015121.00
         KVI,$X1,%8¤0.40                                                0.43 04   015121.40
         BXH,$+1.0                                                 15123.33 42   015122.00
         B,11420              -OK                                  15126.50 00   015122.40
         SR,$X0,1.0                                                     1.01 70   015123.00
         LX,$X1,1.0                                                     1.02 10   015123.40
         KVI,$X1,%8¤0.40                                                0.43 04   015124.00
         BXH,$+1.0                                                 15125.73 42   015124.40
         B,$+1.32                                                  15126.50 00   015125.00
         SIC,SEN              -SR OF ALL ZEROES                     1310.00 80   015125.40
         B,SERS               -TO 1.0 FAILS.                        1304.10 00   015126.00
         -
 11420   LX,$X0,1000                                               17307.00 10   015126.40
         SR,$X0,1.0                                                     1.01 70   015127.00
         LX,$X1,1.0                                                     1.02 10   015127.40
         KVI,$X1,%8¤777777.0                                       777777.03 04   015130.00
         BXE,11421            -OK                                  15134.32 C2   015130.40
         SR,$X0,1.0                                                     1.01 70   015131.00
         LX,$X1,1.0                                                     1.02 10   015131.40
         KVI,$X1,%8¤777777.0                                       777777.03 04   015132.00
         BXE,$+1.32                                                15134.32 C2   015132.40
         SIC,SEN              -SR OF ALL ONES                       1310.00 80   015133.00
         B,SERS               -TO 1.0 FAILS.                        1304.10 00   015133.40
         -
 11421   LX,$X0,100Z          -CHECK NO STORE TO 1.32.              17306.00 10   015134.00
         LX,$X1,1000                                               17307.02 10   015134.40
         Z,$X2                                                        22.22 00   015135.00
114100   SR,$X0,1.32                                                    1.41 70   015135.40
         LX,$X3,1.0                                                     1.06 10   015136.00
         SR,$X1,1.32                                                    1.43 70   015136.40
         LX,$X4,1.0                                                     1.10 10   015137.00
         SR,$X3,$X3           -IF REFILL FLDS OF X3 AND X4          23.07 70   015137.40
         SR,$X4,$X4           -ARE EQUAL, THEN NO STORE TOOK        24.11 70   015140.00
         KV,$X3,$X4           -PLACE. IF NOT EQUAL, THEN DO         24.06 90   015140.40
         BXE,11422            -TEST ONCE MORE.                   15145.32 C2   015141.00
         LX,$X2,$X2                                                   22.04 10   015141.40
         BXCZ,$+1.0                                                15143.30 42   015142.00
         B,$+1.32                                                  15144.10 00   015142.40
         LX,$X2,BIT 30                                             17364.04 10   015143.00
         B,114100                                                  15135.50 00   015143.40
         SIC,SEN              -S TO 1.32 PERMITS                    1310.00 80   015144.00
         B,SERS               -DATA TO ENTER.                       1304.10 00   015144.40
```

```
11422   LX,$X0,BIT63        -CHECK THAT SR WILL CLEAR 18-24.    17425.00 10                    015145.00
        LX,$X1,1000                                             17307.02 10                    015145.40
        SR,$X0,$X1                                                21.01 70                     015146.00
        KV,$X1,BIT17                                            17347.02 90                    015146.40
        SIC,SEN             -SR TO IX CORE STG FAILS             1310.00 80                    015147.00
        BXL,SERS            -TO CLEAR BIT 24.                    1304.32 42                    015147.40
        B,11423                                                 15151.50 00                    015150.00
        -
        SIC,SEN             -SR TO IX CORE STG FAILS             1310.00 80                    015150.40
        BXH,SERS            -TO CLEAR BITS 18023.                1304.33 42                    015151.00
        -
11423   L%BU¤,1000                                              17307.00 80 000000.20 50      015151.40
        SR,$X0,$R                                                 11.01 70                     015152.40
        LX,$X1,$R                                                 11.02 10                     015153.00
        KV,$X1,BIT17                                            17347.02 90                    015153.40
        SIC,SEN             -SR TO INT MEM FAILS TO              1310.00 80                    015154.00
        BXL,SERS            -CLR BIT 24.                         1304.32 42                    015154.40
        B,11424                                                 15156.50 00                    015155.00
        -
        SIC,SEN             -SR TO INT MEM FAILS TO              1310.00 80                    015155.40
        BXH,SERS            -CLR BITS 18-23.                     1304.33 42                    015156.00
        -
11424   B,$+1.0                                                 15157.50 00                    015156.40
        BD,11419                                                15120.04 00                    015157.00
        SIC,SEN0+.32                                             1311.40 80                    015157.40
        B,SSW               -TO SSIP.                            1301.10 00                    015160.00
        BD,$+.32                                                15161.04 00                    015160.40
        -
        LX,$X13,IC214       -UPDATE CONTINUITY CHECK.           15165.32 10                    015161.00
        V+,$X13,BIT18                                           17350.32 B0                    015161.40
        SX,$X13,IC214                                           15165.33 10                    015162.00
        -
        LX,$X13,IC214       -UPDATE CONTINUITY CHECK.           15165.32 10                    015162.40
        KV,$X13,ICK214                                          15166.32 90                    015163.00
        SIC,SEN                                                  1310.00 80                    015163.40
        BZXE,SERS           -CONTINUITY ERROR.                   1304.32 C0                    015164.00
        B,116                                                   15170.10 00                    015164.40
              CNOP
        -
IC214   XW,0,0,0            -CONTINUITY REG 1214.                   0.00 00 000000.00 00      015165.00
ICK214  XW,%8¤777777.40,0,0                                   777777.40 00 000000.00 00      015166.00
I14DMP  NOP                                                       0.30 00                    015167.00
            NOP             -DUMP LOCN.                           0.30 00                    015167.40
```

```
                    ----1216---CHECK SX TO 3 MEMS, BITS 0-23, 28-63.
                    -
116       LX,$X1,116ID          -UPDATE IDENT.                    15173.02 10    015170.00
          SX,$X1,DPET13                                            1437.03 10    015170.40
          SIC,RET                                                  1306.40 80    015171.00
          B,IDF1                                                   1443.10 00    015171.40
          Z,IC216                                                 16557.22 00    015172.00
          BD,1161                                                 15174.04 00    015172.40
          CNOP
116ID     %IQSZ¤DD%BU,64,8¤,1216    Z                                            015173.00
          -
1161      LX,$X0,BIT0           -CHECK SX, BIT 0, INTO 3 MEMORIES. 17326.00 10    015174.00
          Z,116DMP                                                16561.22 00    015174.40
          SX,$X0,116DMP                                           16561.01 10    015175.00
          KV,$X0,116DMP                                           16561.00 90    015175.40
          BXE,$+1.32                                              15177.72 C2    015176.00
          SIC,SEN                                                  1310.00 80    015176.40
          B,SERS                -SX, BIT 0, TO EXT. MEM. FAILS.    1304.10 00    015177.00
          -
          Z,$X1                                                      21.22 00    015177.40
          SX,$X0,$X1                                                 21.01 10    015200.00
          KV,$X0,$X1                                                 21.00 90    015200.40
          BXE,$+1.32                                              15202.72 C2    015201.00
          SIC,SEN                                                  1310.00 80    015201.40
          B,SERS                -SX, BIT 0, TO IX CORE STG FAILS.  1304.10 00    015202.00
          -
          Z,$R                                                       11.22 00    015202.40
          SX,$X0,$R                                                  11.01 10    015203.00
          KV,$X0,$R                                                  11.00 90    015203.40
          BXE,$+1.32                                              15205.72 C2    015204.00
          SIC,SEN                                                  1310.00 80    015204.40
          B,SERS                -SX, BIT 0, TO INT. MEM. FAILS.    1304.10 00    015205.00
          -
          LX,$X0,BIT1           -CHECK SX, BIT 1, INTO 3 MEMORIES. 17327.00 10    015205.40
          Z,116DMP                                                16561.22 00    015206.00
          SX,$X0,116DMP                                           16561.01 10    015206.40
          KV,$X0,116DMP                                           16561.00 90    015207.00
          BXE,$+1.32                                              15211.32 C2    015207.40
          SIC,SEN                                                  1310.00 80    015210.00
          B,SERS                -SX, BIT 1, TO EXT. MEM. FAILS.    1304.10 00    015210.40
          -
          Z,$X1                                                      21.22 00    015211.00
          SX,$X0,$X1                                                 21.01 10    015211.40
          KV,$X0,$X1                                                 21.00 90    015212.00
          BXE,$+1.32                                              15214.32 C2    015212.40
          SIC,SEN                                                  1310.00 80    015213.00
          B,SERS                -SX, BIT 1, TO INT. MEM. FAILS.    1304.10 00    015213.40
          -
          Z,$R                                                       11.22 00    015214.00
          SX,$X0,$R                                                  11.01 10    015214.40
          KV,$X0,$R                                                  11.00 90    015215.00
          BXE,$+1.32                                              15217.32 C2    015215.40
          SIC,SEN                                                  1310.00 80    015216.00
          B,SERS                -SX, BIT 1, TO IX CORE STG FAILS.  1304.10 00    015216.40
```

```
                LX,$X0,BIT2         -CHECK SX, BIT 2, INTO 3 MEMORIES.    17330.00 10    015217.00
                Z,I16DMP                                                  16561.22 00    015217.40
                SX,$X0,I16DMP                                             16561.01 10    015220.00
                KV,$X0,I16DMP                                             16561.00 90    015220.40
                BXE,$+1.32                                                15222.72 C2    015221.00
                SIC,SEN                                                    1310.00 80    015221.40
                B,SERS              -SX, BIT 2, TO EXT. MEM. FAILS.        1304.10 00    015222.00
                -
                Z,$X1                                                        21.22 00    015222.40
                SX,$X0,$X1                                                   21.01 10    015223.00
                KV,$X0,$X1                                                   21.00 90    015223.40
                BXE,$+1.32                                                15225.72 C2    015224.00
                SIC,SEN                                                    1310.00 80    015224.40
                B,SERS              -SX, BIT 2, TO IX CORE STG FAILS.      1304.10 00    015225.00
                -
                Z,$R                                                         11.22 00    015225.40
                SX,$X0,$R                                                    11.01 10    015226.00
                KV,$X0,$R                                                    11.00 90    015226.40
                BXE,$+1.32                                                15230.72 C2    015227.00
                SIC,SEN                                                    1310.00 80    015227.40
                B,SERS              -SX, BIT 2, TO INT. MEM. FAILS.        1304.10 00    015230.00
                -
                B,$+1.0                                                   15231.50 00    015230.40
                BD,I161                                                   15174.04 00    015231.00
                SIC,SEN0+.32                                               1311.40 80    015231.40
                B,SSW               -TO SSIP.                              1301.10 00    015232.00
                BD,$+.32                                                  15233.04 00    015232.40
                                                                    -
                LX,$X13,IC216       -UPDATE CONTINUITY CHECK.             16557.32 10    015233.00
                V+,$X13,BIT0                                              17326.32 B0    015233.40
                SX,$X13,IC216                                             16557.33 10    015234.00
                -
1162            LX,$X0,BIT3         -CHECK SX, BIT 3, INTO 3 MEMORIES.    17331.00 10    015234.40
                Z,I16DMP                                                  16561.22 00    015235.00
                SX,$X0,I16DMP                                             16561.01 10    015235.40
                KV,$X0,I16DMP                                             16561.00 90    015236.00
                BXE,$+1.32                                                15240.32 C2    015236.40
                SIC,SEN                                                    1310.00 80    015237.00
                B,SERS              -SX, BIT 3, TO EXT. MEM. FAILS.        1304.10 00    015237.40
                -
                Z,$X1                                                        21.22 00    015240.00
                SX,$X0,$X1                                                   21.01 10    015240.40
                KV,$X0,$X1                                                   21.00 90    015241.00
                BXE,$+1.32                                                15243.32 C2    015241.40
                SIC,SEN                                                    1310.00 80    015242.00
                B,SERS              -SX, BIT 3, TO IX CORE STG FAILS.      1304.10 00    015242.40
                -
                Z,$R                                                         11.22 00    015243.00
                SX,$X0,$R                                                    11.01 10    015243.40
                KV,$X0,$R                                                    11.00 90    015244.00
                BXE,$+1.32                                                15246.32 C2    015244.40
                SIC,SEN                                                    1310.00 80    015245.00
                B,SERS              --SX, BIT 3, TO INT. MEM. FAILS.       1304.10 00    015245.40
```

```
LX,$X0,BIT4          -CHECK SX, BIT 4, INTO 3 MEMORIES.   17332.00 10   015246.00
Z,I16DMP                                                  16561.22 00   015246.40
SX,$X0,I16DMP                                             16561.01 10   015247.00
KV,$X0,I16DMP                                             16561.00 90   015247.40
BXE,$+1.32                                                15251.72 C2   015250.00
SIC,SEN                                                    1310.00 80   015250.40
B,SERS               -SX, BIT 4, TO EXT. MEM. FAILS.       1304.10 00   015251.00
-
Z,$X1                                                        21.22 00   015251.40
SX,$X0,$X1                                                   21.01 10   015252.00
KV,$X0,$X1                                                   21.00 90   015252.40
BXE,$+1.32                                                15254.72 C2   015253.00
SIC,SEN                                                    1310.00 80   015253.40
B,SERS               -SX, BIT 4, TO IX CORE STG FAILS.     1304.10 00   015254.00
-
Z,$R                                                         11.22 00   015254.40
SX,$X0,$R                                                    11.01 10   015255.00
KV,$X0,$R                                                    11.00 90   015255.40
BXE,$+1.32                                                15257.72 C2   015256.00
SIC,SEN                                                    1310.00 80   015256.40
B,SERS               --SX, BIT 4, TO INT. MEM. FAILS.      1304.10 00   015257.00
-
LX,$X0,BIT5          -CHECK SX, BIT 5, INTO 3 MEMORIES.   17333.00 10   015257.40
Z,I16DMP                                                  16561.22 00   015260.00
SX,$X0,I16DMP                                             16561.01 10   015260.40
KV,$X0,I16DMP                                             16561.00 90   015261.00
BXE,$+1.32                                                15263.32 C2   015261.40
SIC,SEN                                                    1310.00 80   015262.00
B,SERS               -SX, BIT 5, TO EXT. MEM. FAILS.       1304.10 00   015262.40
-
Z,$X1                                                        21.22 00   015263.00
SX,$X0,$X1                                                   21.01 10   015263.40
KV,$X0,$X1                                                   21.00 90   015264.00
BXE,$+1.32                                                15266.32 C2   015264.40
SIC,SEN                                                    1310.00 80   015265.00
B,SERS               -SX,'BIT 5, TO IX CORE STG FAILS.     1304.10 00   015265.40
-
Z,$R                                                         11.22 00   015266.00
SX,$X0,$R                                                    11.01 10   015266.40
KV,$X0,$R                                                    11.00 90   015267.00
BXE,$+1.32                                                15271.32 C2   015267.40
SIC,SEN                                                    1310.00 80   015270.00
B,SERS               -SX, BIT 5, TO INT. MEM. FAILS.       1304.10 00   015270.40
-
B,$+1.0                                                   15272.10 00   015271.00
BD,I162                                                   15234.44 00   015271.40
SIC,SEN0+.32                                               1311.40 80   015272.00
B,SSW                -TO SSIP.                             1301.10 00   015272.40
BD,$+.32                                                  15273.44 00   015273.00
                                                                -
LX,$X13,IC216        -UPDATE CONTINUITY CHECK.            16557.32 10   015273.40
V+,$X13,BIT1                                              17327.32 B0   015274.00
SX,$X13,IC216                                             16557.33 10   015274.40
```

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1163    LX,$X0,BIT6         -CHECK SX, BIT 6, INTO 3 MEMORIES.   17334.00 10   015275.00
        Z,116DMP                                                 16561.22 00   015275.40
        SX,$X0,116DMP                                            16561.01 10   015276.00
        KV,$X0,116DMP                                            16561.00 90   015276.40
        BXE,$+1.32                                               15300.72 C2   015277.00
        SIC,SEN                                                   1310.00 80   015277.40
        B,SERS              -SX, BIT 6, TO EXT. MEM. FAILS.      1304.10 00   015300.00
        -
        Z,$X1                                                      21.22 00   015300.40
        SX,$X0,$X1                                                 21.01 10   015301.00
        KV,$X0,$X1                                                 21.00 90   015301.40
        BXE,$+1.32                                               15303.72 C2   015302.00
        SIC,SEN                                                   1310.00 80   015302.40
        B,SERS              -SX, BIT 6, TO IX CORE STG FAILS.    1304.10 00   015303.00
        -
        Z,$R                                                       11.22 00   015303.40
        SX,$X0,$R                                                  11.01 10   015304.00
        KV,$X0,$R                                                  11.00 90   015304.40
        BXE,$+1.32                                               15306.72 C2   015305.00
        SIC,SEN                                                   1310.00 80   015305.40
        B,SERS              -SX, BIT 6, TO INT. MEM. FAILS.      1304.10 00   015306.00
        -
        LX,$X0,BIT7         -CHECK SX, BIT 7, INTO 3 MEMORIES.   17335.00 10   015306.40
        Z,116DMP                                                 16561.22 00   015307.00
        SX,$X0,116DMP                                            16561.01 10   015307.40
        KV,$X0,116DMP                                            16561.00 90   015310.00
        BXE,$+1.32                                               15312.32 C2   015310.40
        SIC,SEN                                                   1310.00 80   015311.00
        B,SERS              -SX, BIT 7, TO EXT. MEM. FAILS.      1304.10 00   015311.40
        -
        Z,$X1                                                      21.22 00   015312.00
        SX,$X0,$X1                                                 21.01 10   015312.40
        KV,$X0,$X1                                                 21.00 90   015313.00
        BXE,$+1.32                                               15315.32 C2   015313.40
        SIC,SEN                                                   1310.00 80   015314.00
        B,SERS              -SX, BIT 7, TO IX CORE STG FAILS.    1304.10 00   015314.40
        -
        Z,$R                                                       11.22 00   015315.00
        SX,$X0,$R                                                  11.01 10   015315.40
        KV,$X0,$R                                                  11.00 90   015316.00
        BXE,$+1.32                                               15320.32 C2   015316.40
        SIC,SEN                                                   1310.00 80   015317.00
        B,SERS              -SX, BIT 7, TO INT. MEM. FAILS.      1304.10 00   015317.40
```

```
                LX,$X0,BIT8         -CHECK SX, BIT 8, INTO 3 MEMORIES.    17336.00 10    015320.00
                Z,I16DMP                                                  16561.22 00    015320.40
                SX,$X0,I16DMP                                             16561.01 10    015321.00
                KV,$X0,I16DMP                                             16561.00 90    015321.40
                BXE,$+1.32                                                15323.72 C2    015322.00
                SIC,SEN                                                    1310.00 80    015322.40
                B,SERS              -SX, BIT 8, TO EXT. MEM. FAILS.        1304.10 00    015323.00
                -
                Z,$X1                                                        21.22 00    015323.40
                SX,$X0,$X1                                                   21.01 10    015324.00
                KV,$X0,$X1                                                   21.00 90    015324.40
                BXE,$+1.32                                                15326.72 C2    015325.00
                SIC,SEN                                                    1310.00 80    015325.40
                B,SERS              -SX, BIT 8, TO IX CORE STG FAILS.      1304.10 00    015326.00
                -
                Z,$R                                                         11.22 00    015326.40
                SX,$X0,$R                                                    11.01 10    015327.00
                KV,$X0,$R                                                    11.00 90    015327.40
                BXE,$+1.32                                                15331.72 C2    015330.00
                SIC,SEN                                                    1310.00 80    015330.40
                B,SERS              -SX, BIT 8, TO INT. MEM. FAILS.        1304.10 00    015331.00
                -
                B,$+1.0                                                   15332.50 00    015331.40
                BD,I163                                                   15275.04 00    015332.00
                SIC,SEN0+.32                                               1311.40 80    015332.40
                B,SSW               -TO SSIP.                              1301.10 00    015333.00
                BD,$+.32                                                  15334.04 00    015333.40
                                                                          -
                LX,$X13,IC216       -UPDATE CONTINUITY CHECK.             16557.32 10    015334.00
                V+,$X13,BIT2                                              17330.32 B0    015334.40
                SX,$X13,IC216                                             16557.33 10    015335.00
                -
I164            LX,$X0,BIT9         -CHECK SX, BIT 9, INTO 3 MEMORIES.    17337.00 10    015335.40
                Z,I16DMP                                                  16561.22 00    015336.00
                SX,$X0,I16DMP                                             16561.01 10    015336.40
                KV,$X0,I16DMP                                             16561.00 90    015337.00
                BXE,$+1.32                                                15341.32 C2    015337.40
                SIC,SEN                                                    1310.00 80    015340.00
                B,SERS              -SX, BIT 9, TO EXT. MEM. FAILS.        1304.10 00    015340.40
                -
                Z,$X1                                                        21.22 00    015341.00
                SX,$X0,$X1                                                   21.01 10    015341.40
                KV,$X0,$X1                                                   21.00 90    015342.00
                BXE,$+1.32                                                15344.32 C2    015342.40
                SIC,SEN                                                    1310.00 80    015343.00
                B,SERS              -SX, BIT 9, TO IX CORE STG FAILS.      1304.10 00    015343.40
                -
                Z,$R                                                         11.22 00    015344.00
                SX,$X0,$R                                                    11.01 10    015344.40
                KV,$X0,$R                                                    11.00 90    015345.00
                BXE,$+1.32                                                15347.32 C2    015345.40
                SIC,SEN                                                    1310.00 80    015346.00
                B,SERS              --SX, BIT 9, TO INT. MEM. FAILS.       1304.10 00    015346.40
```

```
LX,$X0,BIT10        -CHECK SX, BIT 10, INTO 3 MEMORIES.    17340.00 10    015347.00
Z,I16DMP                                                   16561.22 00    015347.40
SX,$X0,I16DMP                                              16561.01 10    015350.00
KV,$X0,I16DMP                                              16561.00 90    015350.40
BXE,$+1.32                                                 15352.72 C2    015351.00
SIC,SEN                                                     1310.00 80    015351.40
B,SERS              -SX, BIT 10, TO EXT. MEM. FAILS.        1304.10 00    015352.00
-
Z,$X1                                                         21.22 00    015352.40
SX,$X0,$X1                                                    21.01 10    015353.00
KV,$X0,$X1                                                    21.00 90    015353.40
BXE,$+1.32                                                 15355.72 C2    015354.00
SIC,SEN                                                     1310.00 80    015354.40
B,SERS              -SX, BIT 10, TO IX CORE STG FAILS.      1304.10 00    015355.00
-
Z,$R                                                          11.22 00    015355.40
SX,$X0,$R                                                     11.01 10    015356.00
KV,$X0,$R                                                     11.00 90    015356.40
BXE,$+1.32                                                 15360.72 C2    015357.00
SIC,SEN                                                     1310.00 80    015357.40
B,SERS              -SX, BIT 10, TO INT. MEM. FAILS.        1304.10 00    015360.00
-
LX,$X0,BIT11        -CHECK SX, BIT 11, INTO 3 MEMORIES.    17341.00 10    015360.40
Z,I16DMP                                                   16561.22 00    015361.00
SX,$X0,I16DMP                                              16561.01 10    015361.40
KV,$X0,I16DMP                                              16561.00 90    015362.00
BXE,$+1.32                                                 15364.32 C2    015362.40
SIC,SEN                                                     1310.00 80    015363.00
B,SERS              -SX, BIT 11, TO EXT. MEM. FAILS.        1304.10 00    015363.40
-
Z,$X1                                                         21.22 00    015364.00
SX,$X0,$X1                                                    21.01 10    015364.40
KV,$X0,$X1                                                    21.00 90    015365.00
BXE,$+1.32                                                 15367.32 C2    015365.40
SIC,SEN                                                     1310.00 80    015366.00
B,SERS              -SX, BIT 11, TO IX CORE STG FAILS.      1304.10 00    015366.40
-
Z,$R                                                          11.22 00    015367.00
SX,$X0,$R                                                     11.01 10    015367.40
KV,$X0,$R                                                     11.00 90    015370.00
BXE,$+1.32                                                 15372.32 C2    015370.40
SIC,SEN                                                     1310.00 80    015371.00
B,SERS              -SX, BIT 11, TO INT. MEM. FAILS.        1304.10 00    015371.40
-
B,$+1.0                                                    15373.10 00    015372.00
BD,I164                                                    15335.44 00    015372.40
SIC,SEN0+.32                                                1311.40 80    015373.00
B,SSW               -TO SSIP                                1301.10 00    015373.40
BD,$+.32                                                   15374.44 00    015374.00
                                                                -
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.              16557.32 10    015374.40
V+,$X13,BIT3                                               17331.32 B0    015375.00
SX,$X13,IC216                                              16557.33 10    015375.40
```

```
1165    LX,$X0,BIT12        -CHECK SX, BIT 12, INTO 3 MEMORIES.    17342.00 10    015376.00
        Z,I16DMP                                                   16561.22 00    015376.40
        SX,$X0,I16DMP                                              16561.01 10    015377.00
        KV,$X0,I16DMP                                              16561.00 90    015377.40
        BXE,$+1.32                                                 15401.72 C2    015400.00
        SIC,SEN                                                     1310.00 80    015400.40
        B,SERS              -SX, BIT 12, TO EXT. MEM. FAILS.       1304.10 00    015401.00
        -
        Z,$X1                                                        21.22 00    015401.40
        SX,$X0,$X1                                                   21.01 10    015402.00
        KV,$X0,$X1                                                   21.00 90    015402.40
        BXE,$+1.32                                                 15404.72 C2    015403.00
        SIC,SEN                                                     1310.00 80    015403.40
        B,SERS              -SX, BIT 12, TO IX CORE STG FAILS.     1304.10 00    015404.00
        -
        Z,$R                                                         11.22 00    015404.40
        SX,$X0,$R                                                    11.01 10    015405.00
        KV,$X0,$R                                                    11.00 90    015405.40
        BXE,$+1.32                                                 15407.72 C2    015406.00
        SIC,SEN                                                     1310.00 80    015406.40
        B,SERS              -SX, BIT 12, TO INT. MEM. FAILS.       1304.10 00    015407.00
        -
        LX,$X0,BIT13        -CHECK SX, BIT 13, INTO 3 MEMORIES.    17343.00 10    015407.40
        Z,I16DMP                                                   16561.22 00    015410.00
        SX,$X0,I16DMP                                              16561.01 10    015410.40
        KV,$X0,I16DMP                                              16561.00 90    015411.00
        BXE,$+1.32                                                 15413.32 C2    015411.40
        SIC,SEN                                                     1310.00 80    015412.00
        B,SERS              -SX, BIT 13, TO EXT. MEM. FAILS.       1304.10 00    015412.40
        -
        Z,$X1                                                        21.22 00    015413.00
        SX,$X0,$X1                                                   21.01 10    015413.40
        KV,$X0,$X1                                                   21.00 90    015414.00
        BXE,$+1.32                                                 15416.32 C2    015414.40
        SIC,SEN                                                     1310.00 80    015415.00
        B,SERS              -SX, BIT 13, TO IX CORE STG FAILS.     1304.10 00    015415.40
        -
        Z,$R                                                         11.22 00    015416.00
        SX,$X0,$R                                                    11.01 10    015416.40
        KV,$X0,$R                                                    11.00 90    015417.00
        BXE,$+1.32                                                 15421.32 C2    015417.40
        SIC,SEN                                                     1310.00 80    015420.00
        B,SERS              -SX, BIT 13, TO INT. MEM. FAILS.       1304.10 00    015420.40
```

```
                LX,$X0,BIT14        -CHECK SX, BIT 14, INTO 3 MEMORIES.    17344.00 10    015421.00
                Z,I16DMP                                                   16561.22 00    015421.40
                SX,$X0,I16DMP                                              16561.01 10    015422.00
                KV,$X0,I16DMP                                              16561.00 90    015422.40
                BXE,$+1.32                                                 15424.72 C2    015423.00
                SIC,SEN                                                     1310.00 80    015423.40
                B,SERS              -SX, BIT 14, TO EXT. MEM. FAILS.        1304.10 00    015424.00
                -
                Z,$X1                                                         21.22 00    015424.40
                SX,$X0,$X1                                                    21.01 10    015425.00
                KV,$X0,$X1                                                    21.00 90    015425.40
                BXE,$+1.32                                                 15427.72 C2    015426.00
                SIC,SEN                                                     1310.00 80    015426.40
                B,SERS              -SX, BIT 14, TO IX CORE STG FAILS.      1304.10 00    015427.00
                -
                Z,$R                                                          11.22 00    015427.40
                SX,$X0,$R                                                     11.01 10    015430.00
                KV,$X0,$R                                                     11.00 90    015430.40
                BXE,$+1.32                                                 15432.72 C2    015431.00
                SIC,SEN                                                     1310.00 80    015431.40
                B,SERS              -SX, BIT 14, TO INT. MEM. FAILS.        1304.10 00    015432.00
                -
                B,$+1.0                                                    15433.50 00    015432.40
                BD,I165                                                    15376.04 00    015433.00
                SIC,SEN0+.32                                                1311.40 80    015433.40
                B,SSW               -TO SSIP.                               1301.10 00    015434.00
                BD,$+.32                                                   15435.04 00    015434.40
                -
                LX,$X13,IC216       -UPDATE CONTINUITY CHECK.              16557.32 10    015435.00
                V+,$X13,BIT4                                               17332.32 B0    015435.40
                SX,$X13,IC216                                              16557.33 10    015436.00
                -
I166            LX,$X0,BIT15        -CHECK SX, BIT 15, INTO 3 MEMORIES.    17345.00 10    015436.40
                Z,I16DMP                                                   16561.22 00    015437.00
                SX,$X0,I16DMP                                              16561.01 10    015437.40
                KV,$X0,I16DMP                                              16561.00 90    015440.00
                BXE,$+1.32                                                 15442.32 C2    015440.40
                SIC,SEN                                                     1310.00 80    015441.00
                B,SERS              -SX, BIT 15, TO EXT. MEM. FAILS.        1304.10 00    015441.40
                -
                Z,$X1                                                         21.22 00    015442.00
                SX,$X0,$X1                                                    21.01 10    015442.40
                KV,$X0,$X1                                                    21.00 90    015443.00
                BXE,$+1.32                                                 15445.32 C2    015443.40
                SIC,SEN                                                     1310.00 80    015444.00
                B,SERS              -SX, BIT 15, TO IX CORE STG FAILS.      1304.10 00    015444.40
                -
                Z,$R                                                          11.22 00    015445.00
                SX,$X0,$R                                                     11.01 10    015445.40
                KV,$X0,$R                                                     11.00 90    015446.00
                BXE,$+1.32                                                 15450.32 C2    015446.40
                SIC,SEN                                                     1310.00 80    015447.00
                B,SERS              -SX, BIT 15, TO INT. MEM. FAILS.        1304.10 00    015447.40
```

```
LX,$X0,BIT16        -CHECK SX, BIT 16, INTO 3 MEMORIES.     17346.00 10   015450.00
Z,I16DMP                                                    16561.22 00   015450.40
SX,$X0,I16DMP                                               16561.01 10   015451.00
KV,$X0,I16DMP                                               16561.00 90   015451.40
BXE,$+1.32                                                  15453.72 C2   015452.00
SIC,SEN                                                      1310.00 80   015452.40
B,SERS              -SX, BIT 16, TO EXT. MEM. FAILS.         1304.10 00   015453.00
-
                                                               21.22 00   015453.40
Z,$X1                                                          21.01 10   015454.00
SX,$X0,$X1                                                     21.00 90   015454.40
KV,$X0,$X1                                                  15456.72 C2   015455.00
BXE,$+1.32                                                   1310.00 80   015455.40
SIC,SEN                                                      1304.10 00   015456.00
B,SERS              -SX, BIT 16, TO IX CORE STG FAILS.
-
                                                               11.22 00   015456.40
Z,$R                                                           11.01 10   015457.00
SX,$X0,$R                                                      11.00 90   015457.40
KV,$X0,$R                                                   15461.72 C2   015460.00
BXE,$+1.32                                                   1310.00 80   015460.40
SIC,SEN                                                      1304.10 00   015461.00
B,SERS              -SX, BIT 16, TO INT. MEM. FAILS.
-
LX,$X0,BIT17        -CHECK SX, BIT 17, INTO 3 MEMORIES.     17347.00 10   015461.40
Z,I16DMP                                                    16561.22 00   015462.00
SX,$X0,I16DMP                                               16561.01 10   015462.40
KV,$X0,I16DMP                                               16561.00 90   015463.00
BXE,$+1.32                                                  15465.32 C2   015463.40
SIC,SEN                                                      1310.00 80   015464.00
B,SERS              -SX, BIT 17, TO EXT. MEM. FAILS.         1304.10 00   015464.40
-
                                                               21.22 00   015465.00
Z,$X1                                                          21.01 10   015465.40
SX,$X0,$X1                                                     21.00 90   015466.00
KV,$X0,$X1                                                  15470.32 C2   015466.40
BXE,$+1.32                                                   1310.00 80   015467.00
SIC,SEN                                                      1304.10 00   015467.40
B,SERS              -SX, BIT 17, TO IX CORE STG FAILS.
-
                                                               11.22 00   015470.00
Z,$R                                                           11.01 10   015470.40
SX,$X0,$R                                                      11.00 90   015471.00
KV,$X0,$R                                                   15473.32 C2   015471.40
BXE,$+1.32                                                   1310.00 80   015472.00
SIC,SEN                                                      1304.10 00   015472.40
B,SERS              -SX, BIT 17, TO INT. MEM. FAILS.
-
                                                            15474.10 00   015473.00
B,$+1.0                                                     15436.44 00   015473.40
BD,I166                                                      1311.40 80   015474.00
SIC,SEN0+.32                                                 1301.10 00   015474.40
B,SSW               -TO SSIP                                15475.44 00   015475.00
BD,$+.32
-
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.               16557.32 10   015475.40
V+,$X13,BIT5                                                17333.32 B0   015476.00
SX,$X13,IC216                                               16557.33 10   015476.40
```

```
1167    LX,$X0,BIT18        -CHECK SX, BIT 18, INTO 3 MEMORIES.    17350.00 10    015477.00
        Z,I16DMP                                                   16561.22 00    015477.40
        SX,$X0,I16DMP                                              16561.01 10    015500.00
        KV,$X0,I16DMP                                              16561.00 90    015500.40
        BXE,$+1.32                                                 15502.72 C2    015501.00
        SIC,SEN                                                     1310.00 80    015501.40
        B,SERS              -SX, BIT 18, TO EXT. MEM. FAILS.       1304.10 00    015502.00
        -
        Z,$X1                                                        21.22 00    015502.40
        SX,$X0,$X1                                                   21.01 10    015503.00
        KV,$X0,$X1                                                   21.00 90    015503.40
        BXE,$+1.32                                                 15505.72 C2    015504.00
        SIC,SEN                                                     1310.00 80    015504.40
        B,SERS              -SX, BIT 18, TO IX CORE STG FAILS.     1304.10 00    015505.00
        -
        Z,$R                                                         11.22 00    015505.40
        SX,$X0,$R                                                    11.01 10    015506.00
        KV,$X0,$R                                                    11.00 90    015506.40
        BXE,$+1.32                                                 15510.72 C2    015507.00
        SIC,SEN                                                     1310.00 80    015507.40
        B,SERS              -SX, BIT 18, TO INT. MEM. FAILS.       1304.10 00    015510.00
        -
        LX,$X0,BIT19        -CHECK SX, BIT 19, INTO 3 MEMORIES.    17351.00 10    015510.40
        Z,I16DMP                                                   16561.22 00    015511.00
        SX,$X0,I16DMP                                              16561.01 10    015511.40
        KV,$X0,I16DMP                                              16561.00 90    015512.00
        BXE,$+1.32                                                 15514.32 C2    015512.40
        SIC,SEN                                                     1310.00 80    015513.00
        B,SERS              -SX, BIT 19, TO EXT. MEM. FAILS.       1304.10 00    015513.40
        -
        Z,$X1                                                        21.22 00    015514.00
        SX,$X0,$X1                                                   21.01 10    015514.40
        KV,$X0,$X1                                                   21.00 90    015515.00
        BXE,$+1.32                                                 15517.32 C2    015515.40
        SIC,SEN                                                     1310.00 80    015516.00
        B,SERS              -SX, BIT 19, TO IX CORE STG FAILS.     1304.10 00    015516.40
        -
        Z,$R                                                         11.22 00    015517.00
        SX,$X0,$R                                                    11.01 10    015517.40
        KV,$X0,$R                                                    11.00 90    015520.00
        BXE,$+1.32                                                 15522.32 C2    015520.40
        SIC,SEN                                                     1310.00 80    015521.00
        B,SERS              -SX, BIT 19, TO INT. MEM. FAILS.       1304.10 00    015521.40
```

```
                LX,$X0,BIT20        -CHECK SX, BIT 20, INTO 3 MEMORIES.   17352.00 10    015522.00
                Z,I16DMP                                                  16561.22 00    015522.40
                SX,$X0,I16DMP                                             16561.01 10    015523.00
                KV,$X0,I16DMP                                             16561.00 90    015523.40
                BXE,$+1.32                                                15525.72 C2    015524.00
                SIC,SEN                                                    1310.00 80    015524.40
                B,SERS              -SX, BIT 20, TO EXT. MEM. FAILS.       1304.10 00    015525.00
                -
                Z,$X1                                                        21.22 00    015525.40
                SX,$X0,$X1                                                   21.01 10    015526.00
                KV,$X0,$X1                                                   21.00 90    015526.40
                BXE,$+1.32                                                15530.72 C2    015527.00
                SIC,SEN                                                    1310.00 80    015527.40
                B,SERS              -SX, BIT 20, TO IX CORE STG FAILS.     1304.10 00    015530.00
                -
                Z,$R                                                         11.22 00    015530.40
                SX,$X0,$R                                                    11.01 10    015531.00
                KV,$X0,$R                                                    11.00 90    015531.40
                BXE,$+1.32                                                15533.72 C2    015532.00
                SIC,SEN                                                    1310.00 80    015532.40
                B,SERS              -SX, BIT 20, TO INT. MEM. FAILS.       1304.10 00    015533.00
                -
                B,$+1.0                                                   15534.50 00    015533.40
                BD,I167                                                   15477.04 00    015534.00
                SIC,SEN0+.32                                               1311.40 80    015534.40
                B,SSW               -TO SSIP.                              1301.10 00    015535.00
                BD,$+.32                                                  15536.04 00    015535.40
                                                                          -
                LX,$X13,IC216       -UPDATE CONTINUITY CHECK.             16557.32 10    015536.00
                V+,$X13,BIT6                                              17334.32 B0    015536.40
                SX,$X13,IC216                                             16557.33 10    015537.00
1168            LX,$X0,BIT21        -CHECK SX, BIT 21, INTO 3 MEMORIES.   17353.00 10    015537.40
                Z,I16DMP                                                  16561.22 00    015540.00
                SX,$X0,I16DMP                                             16561.01 10    015540.40
                KV,$X0,I16DMP                                             16561.00 90    015541.00
                BXE,$+1.32                                                15543.32 C2    015541.40
                SIC,SEN                                                    1310.00 80    015542.00
                B,SERS              -SX, BIT 21, TO EXT. MEM. FAILS.       1304.10 00    015542.40
                -
                Z,$X1                                                        21.22 00    015543.00
                SX,$X0,$X1                                                   21.01 10    015543.40
                KV,$X0,$X1                                                   21.00 90    015544.00
                BXE,$+1.32                                                15546.32 C2    015544.40
                SIC,SEN                                                    1310.00 80    015545.00
                B,SERS              -SX, BIT 21, TO IX CORE STG FAILS.     1304.10 00    015545.40
                -
                Z,$R                                                         11.22 00    015546.00
                SX,$X0,$R                                                    11.01 10    015546.40
                KV,$X0,$R                                                    11.00 90    015547.00
                BXE,$+1.32                                                15551.32 C2    015547.40
                SIC,SEN                                                    1310.00 80    015550.00
                B,SERS              -SX, BIT 21, TO INT. MEM. FAILS.       1304.10 00    015550.40
```

```
LX,$X0,BIT22        -CHECK SX, BIT 22, INTO 3 MEMORIES.   17354.00 10   015551.00
Z,116DMP                                                  16561.22 00   015551.40
SX,$X0,116DMP                                             16561.01 10   015552.00
KV,$X0,116DMP                                             16561.00 90   015552.40
BXE,$+1.32                                                15554.72 C2   015553.00
SIC,SEN                                                    1310.00 80   015553.40
B,SERS              -SX, BIT 22, TO EXT. MEM. FAILS.       1304.10 00   015554.00
-
Z,$X1                                                        21.22 00   015554.40
SX,$X0,$X1                                                   21.01 10   015555.00
KV,$X0,$X1                                                   21.00 90   015555.40
BXE,$+1.32                                                15557.72 C2   015556.00
SIC,SEN                                                    1310.00 80   015556.40
B,SERS              -SX, BIT 22, TO IX CORE STG FAILS.     1304.10 00   015557.00
-
Z,$R                                                         11.22 00   015557.40
SX,$X0,$R                                                    11.01 10   015560.00
KV,$X0,$R                                                    11.00 90   015560.40
BXE,$+1.32                                                15562.72 C2   015561.00
SIC,SEN                                                    1310.00 80   015561.40
B,SERS              -SX, BIT 22, TO INT. MEM. FAILS.       1304.10 00   015562.00
-
LX,$X0,BIT23        -CHECK SX, BIT 23, INTO 3 MEMORIES.   17355.00 10   015562.40
Z,116DMP                                                  16561.22 00   015563.00
SX,$X0,116DMP                                             16561.01 10   015563.40
KV,$X0,116DMP                                             16561.00 90   015564.00
BXE,$+1.32                                                15566.32 C2   015564.40
SIC,SEN                                                    1310.00 80   015565.00
B,SERS              -SX, BIT 23, TO EXT. MEM. FAILS.       1304.10 00   015565.40
-
Z,$X1                                                        21.22 00   015566.00
SX,$X0,$X1                                                   21.01 10   015566.40
KV,$X0,$X1                                                   21.00 90   015567.00
BXE,$+1.32                                                15571.32 C2   015567.40
SIC,SEN                                                    1310.00 80   015570.00
B,SERS              -SX, BIT 23, TO IX CORE STG FAILS.     1304.10 00   015570.40
-
Z,$R                                                         11.22 00   015571.00
SX,$X0,$R                                                    11.01 10   015571.40
KV,$X0,$R                                                    11.00 90   015572.00
BXE,$+1.32                                                15574.32 C2   015572.40
SIC,SEN                                                    1310.00 80   015573.00
B,SERS              -SX, BIT 23, TO INT. MEM. FAILS.       1304.10 00   015573.40
-
B,$+1.0                                                   15575.10 00   015574.00
BD,1168                                                   15537.44 00   015574.40
SIC,SEN0+.32                                               1311.40 80   015575.00
B,SSW               -TO SSIP.                              1301.10 00   015575.40
BD,$+.32                                                  15576.44 00   015576.00
-
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.             16557.32 10   015576.40
V+,$X13,BIT7                                              17335.32 B0   015577.00
SX,$X13,IC216                                             16557.33 10   015577.40
```

```
1169    LX,$X0,BIT28A       -CHECK SX, BIT 28, INTO 3 MEMORIES.   16563.00 10   015600.00
        Z,I16DMP                                                  16561.22 00   015600.40
        SX,$X0,I16DMP                                             16561.01 10   015601.00
        KC,$X0,I16DMP                                             16561.01 90   015601.40
        BXE,$+1.32                                                15603.72 C2   015602.00
        SIC,SEN                                                    1310.00 80   015602.40
        B,SERS              -SX, BIT 28, TO EXT. MEM. FAILS.       1304.10 00   015603.00
        -
        Z,$X1                                                        21.22 00   015603.40
        SX,$X0,$X1                                                   21.01 10   015604.00
        KC,$X0,$X1                                                   21.01 90   015604.40
        BXE,$+1.32                                                15606.72 C2   015605.00
        SIC,SEN                                                    1310.00 80   015605.40
        B,SERS              -SX, BIT 28, TO IX CORE STG FAILS.     1304.10 00   015606.00
        -
        Z,$R                                                         11.22 00   015606.40
        SX,$X0,$R                                                    11.01 10   015607.00
        KC,$X0,$R                                                    11.01 90   015607.40
        BXE,$+1.32                                                15611.72 C2   015610.00
        SIC,SEN                                                    1310.00 80   015610.40
        B,SERS              -SX, BIT 28, TO INT. MEM. FAILS.       1304.10 00   015611.00
        -
        LX,$X0,BIT29A       -CHECK SX, BIT 29, INTO 3 MEMORIES.   16564.00 10   015611.40
        Z,I16DMP                                                  16561.22 00   015612.00
        SX,$X0,I16DMP                                             16561.01 10   015612.40
        KC,$X0,I16DMP                                             16561.01 90   015613.00
        BXE,$+1.32                                                15615.32 C2   015613.40
        SIC,SEN                                                    1310.00 80   015614.00
        B,SERS              -SX, BIT 29, TO EXT. MEM. FAILS.       1304.10 00   015614.40
        -
        Z,$X1                                                        21.22 00   015615.00
        SX,$X0,$X1                                                   21.01 10   015615.40
        KC,$X0,$X1                                                   21.01 90   015616.00
        BXE,$+1.32                                                15620.32 C2   015616.40
        SIC,SEN                                                    1310.00 80   015617.00
        B,SERS              -SX, BIT 29, TO IX CORE STG FAILS.     1304.10 00   015617.40
        -
        Z,$R                                                         11.22 00   015620.00
        SX,$X0,$R                                                    11.01 10   015620.40
        KC,$X0,$R                                                    11.01 90   015621.00
        BXE,$+1.32                                                15623.32 C2   015621.40
        SIC,SEN                                                    1310.00 80   015622.00
        B,SERS              -SX, BIT 29, TO INT. MEM. FAILS.       1304.10 00   015622.40
```

```
                LX,$X0,BIT30A       -CHECK SX, BIT 30, INTO 3 MEMORIES.    16565.00 10    015623.00
                Z,I16DMP                                                   16561.22 00    015623.40
                SX,$X0,I16DMP                                              16561.01 10    015624.00
                KC,$X0,I16DMP                                              16561.01 90    015624.40
                BXE,$+1.32                                                 15626.72 C2    015625.00
                SIC,SEN                                                     1310.00 80    015625.40
                B,SERS              -SX, BIT 30, TO EXT. MEM. FAILS.       1304.10 00    015626.00
                Z,$X1                                                        21.22 00    015626.40
                SX,$X0,$X1                                                   21.01 10    015627.00
                KC,$X0,$X1                                                   21.01 90    015627.40
                BXE,$+1.32                                                 15631.72 C2    015630.00
                SIC,SEN                                                     1310.00 80    015630.40
                B,SERS              -SX, BIT 30, TO IX CORE STG FAILS.     1304.10 00    015631.00
                -
                Z,$R                                                         11.22 00    015631.40
                SX,$X0,$R                                                    11.01 10    015632.00
                KC,$X0,$R                                                    11.01 90    015632.40
                BXE,$+1.32                                                 15634.72 C2    015633.00
                SIC,SEN                                                     1310.00 80    015633.40
                B,SERS              -SX, BIT 30, TO INT. MEM. FAILS.       1304.10 00    015634.00
                -
                B,$+1.0                                                    15635.50 00    015634.40
                BD,I169                                                    15600.04 00    015635.00
                SIC,SEN0+.32                                                1311.40 80    015635.40
                B,SSW               -TO SSIP.                              1301.10 00    015636.00
                BD,$+.32                                                   15637.04 00    015636.40
                                                                    -
                LX,$X13,IC216       -UPDATE CONTINUITY CHECK.              16557.32 10    015637.00
                V+,$X13,BIT8                                               17336.32 B0    015637.40
                SX,$X13,IC216                                              16557.33 10    015640.00
11610           LX,$X0,BIT30A       -CHECK SX, BIT 31, INTO 3 MEMORIES.    16565.00 10    015640.40
                Z,I16DMP                                                   16561.22 00    015641.00
                SX,$X0,I16DMP                                              16561.01 10    015641.40
                KC,$X0,I16DMP                                              16561.01 90    015642.00
                BXE,$+1.32                                                 15644.32 C2    015642.40
                SIC,SEN                                                     1310.00 80    015643.00
                B,SERS              -SX, BIT 31, TO EXT. MEM. FAILS.       1304.10 00    015643.40
                -
                Z,$X1                                                        21.22 00    015644.00
                SX,$X0,$X1                                                   21.01 10    015644.40
                KC,$X0,$X1                                                   21.01 90    015645.00
                BXE,$+1.32                                                 15647.32 C2    015645.40
                SIC,SEN                                                     1310.00 80    015646.00
                B,SERS              -SX, BIT 31, TO IX CORE STG FAILS.     1304.10 00    015646.40
                -
                Z,$R                                                         11.22 00    015647.00
                SX,$X0,$R                                                    11.01 10    015647.40
                KC,$X0,$R                                                    11.01 90    015650.00
                BXE,$+1.32                                                 15652.32 C2    015650.40
                SIC,SEN                                                     1310.00 80    015651.00
                B,SERS              -SX, BIT 31, TO INT. MEM. FAILS.       1304.10 00    015651.40
```

```
LX,$X0,BIT32A       -CHECK SX, BIT 32, INTO 3 MEMORIES.   16567.00 10   015652.00
Z,116DMP                                                  16561.22 00   015652.40
SX,$X0,116DMP                                             16561.01 10   015653.00
KC,$X0,116DMP                                             16561.01 90   015653.40
BXE,$+1.32                                                15655.72 C2   015654.00
SIC,SEN                                                    1310.00 80   015654.40
B,SERS              -SX, BIT 32, TO EXT. MEM. FAILS.       1304.10 00   015655.00
-
Z,$X1                                                        21.22 00   015655.40
SX,$X0,$X1                                                   21.01 10   015656.00
KC,$X0,$X1                                                   21.01 90   015656.40
BXE,$+1.32                                                15660.72 C2   015657.00
SIC,SEN                                                    1310.00 80   015657.40
B,SERS              -SX, BIT 32, TO IX CORE STG FAILS.     1304.10 00   015660.00
-
Z,$R                                                         11.22 00   015660.40
SX,$X0,$R                                                    11.01 10   015661.00
KC,$X0,$R                                                    11.01 90   015661.40
BXE,$+1.32                                                15663.72 C2   015662.00
SIC,SEN                                                    1310.00 80   015662.40
B,SERS              -SX, BIT 32, TO INT. MEM. FAILS.       1304.10 00   015663.00
-
LX,$X0,BIT33A       -CHECK SX, BIT 33, INTO 3 MEMORIES.   16570.00 10   015663.40
Z,116DMP                                                  16561.22 00   015664.00
SX,$X0,116DMP                                             16561.01 10   015664.40
KC,$X0,116DMP                                             16561.01 90   015665.00
BXE,$+1.32                                                15667.32 C2   015665.40
SIC,SEN                                                    1310.00 80   015666.00
B,SERS              -SX, BIT 33, TO EXT. MEM. FAILS.       1304.10 00   015666.40
-
Z,$X1                                                        21.22 00   015667.00
SX,$X0,$X1                                                   21.01 10   015667.40
KC,$X0,$X1                                                   21.01 90   015670.00
BXE,$+1.32                                                15672.32 C2   015670.40
SIC,SEN                                                    1310.00 80   015671.00
B,SERS              -SX, BIT 33, TO IX CORE STG FAILS.     1304.10 00   015671.40
-
Z,$R                                                         11.22 00   015672.00
SX,$X0,$R                                                    11.01 10   015672.40
KC,$X0,$R                                                    11.01 90   015673.00
BXE,$+1.32                                                15675.32 C2   015673.40
SIC,SEN                                                    1310.00 80   015674.00
B,SERS              -SX, BIT 33, TO INT. MEM. FAILS.       1304.10 00   015674.40
-
B,$+1.0                                                   15676.10 00   015675.00
BD,11610                                                  15640.44 00   015675.40
SIC,SEN0+.32                                               1311.40 80   015676.00
B,SSW               -TO SSIP                               1301.10 00   015676.40
BD,$+.32                                                  15677.44 00   015677.00
                                                                -
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.             16557.32 10   015677.40
V+,$X13,BIT9                                              17337.32 B0   015700.00
SX,$X13,IC216                                             16557.33 10   015700.40
```

```
11611   LX,$X0,BIT34A       -CHECK SX, BIT 34, INTO 3 MEMORIES.   16571.00 10   015701.00
        Z,I16DMP                                                  16561.22 00   015701.40
        SX,$X0,I16DMP                                             16561.01 10   015702.00
        KC,$X0,I16DMP                                             16561.01 90   015702.40
        BXE,$+1.32                                                15704.72 C2   015703.00
        SIC,SEN                                                    1310.00 80   015703.40
        B,SERS              -SX, BIT 34, TO EXT. MEM. FAILS.       1304.10 00   015704.00
        -
        Z,$X1                                                        21.22 00   015704.40
        SX,$X0,$X1                                                   21.01 10   015705.00
        KC,$X0,$X1                                                   21.01 90   015705.40
        BXE,$+1.32                                                15707.72 C2   015706.00
        SIC,SEN                                                    1310.00 80   015706.40
        B,SERS              -SX, BIT 34, TO IX CORE STG FAILS.     1304.10 00   015707.00
        -
        Z,$R                                                         11.22 00   015707.40
        SX,$X0,$R                                                    11.01 10   015710.00
        KC,$X0,$R                                                    11.01 90   015710.40
        BXE,$+1.32                                                15712.72 C2   015711.00
        SIC,SEN                                                    1310.00 80   015711.40
        B,SERS              -SX, BIT 34, TO INT. MEM. FAILS.       1304.10 00   015712.00
        -
        LX,$X0,BIT35A       -CHECK SX, BIT 35, INTO 3 MEMORIES.   16572.00 10   015712.40
        Z,I16DMP                                                  16561.22 00   015713.00
        SX,$X0,I16DMP                                             16561.01 10   015713.40
        KC,$X0,I16DMP                                             16561.01 90   015714.00
        BXE,$+1.32                                                15716.32 C2   015714.40
        SIC,SEN                                                    1310.00 80   015715.00
        B,SERS              -SX, BIT 35, TO EXT. MEM. FAILS.       1304.10 00   015715.40
        -
        Z,$X1                                                        21.22 00   015716.00
        SX,$X0,$X1                                                   21.01 10   015716.40
        KC,$X0,$X1                                                   21.01 90   015717.00
        BXE,$+1.32                                                15721.32 C2   015717.40
        SIC,SEN                                                    1310.00 80   015720.00
        B,SERS              -SX, BIT 35, TO IX CORE STG FAILS.     1304.10 00   015720.40
        -
        Z,$R                                                         11.22 00   015721.00
        SX,$X0,$R                                                    11.01 10   015721.40
        KC,$X0,$R                                                    11.01 90   015722.00
        BXE,$+1.32                                                15724.32 C2   015722.40
        SIC,SEN                                                    1310.00 80   015723.00
        B,SERS              -SX, BIT 35, TO INT. MEM. FAILS.       1304.10 00   015723.40
```

```
                LX,$X0,BIT36A       -CHECK SX, BIT 36, INTO 3 MEMORIES.    16573.00 10    015724.00
                Z,I16DMP                                                   16561.22 00    015724.40
                SX,$X0,I16DMP                                              16561.01 10    015725.00
                KC,$X0,I16DMP                                              16561.01 90    015725.40
                BXE,$+1.32                                                 15727.72 C2    015726.00
                SIC,SEN                                                     1310.00 80    015726.40
                B,SERS              -SX, BIT 36, TO EXT. MEM. FAILS.        1304.10 00    015727.00
                -
                Z,$X1                                                         21.22 00    015727.40
                SX,$X0,$X1                                                    21.01 10    015730.00
                KC,$X0,$X1                                                    21.01 90    015730.40
                BXE,$+1.32                                                 15732.72 C2    015731.00
                SIC,SEN                                                     1310.00 80    015731.40
                B,SERS              -SX, BIT 36, TO IX CORE STG FAILS.      1304.10 00    015732.00
                -
                Z,$R                                                          11.22 00    015732.40
                SX,$X0,$R                                                     11.01 10    015733.00
                KC,$X0,$R                                                     11.01 90    015733.40
                BXE,$+1.32                                                 15735.72 C2    015734.00
                SIC,SEN                                                     1310.00 80    015734.40
                B,SERS              -SX, BIT 36, TO INT. MEM. FAILS.        1304.10 00    015735.00
                -
                B,$+1.0                                                    15736.50 00    015735.40
                BD,I1611                                                   15701.04 00    015736.00
                SIC,SEN0+.32                                                1311.40 80    015736.40
                B,SSW               -TO SSIP.                               1301.10 00    015737.00
                BD,$+.32                                                   15740.04 00    015737.40
                                                                    -
                LX,$X13,IC216       -UPDATE CONTINUITY CHECK.              16557.32 10    015740.00
                V+,$X13,BIT10                                              17340.32 B0    015740.40
                SX,$X13,IC216                                              16557.33 10    015741.00
                -
I1613           LX,$X0,BIT37A       -CHECK SX, BIT 37, INTO 3 MEMORIES.    16574.00 10    015741.40
                Z,I16DMP                                                   16561.22 00    015742.00
                SX,$X0,I16DMP                                              16561.01 10    015742.40
                KC,$X0,I16DMP                                              16561.01 90    015743.00
                BXE,$+1.32                                                 15745.32 C2    015743.40
                SIC,SEN                                                     1310.00 80    015744.00
                B,SERS              -SX, BIT 37, TO EXT. MEM. FAILS.        1304.10 00    015744.40
                -
                Z,$X1                                                         21.22 00    015745.00
                SX,$X0,$X1                                                    21.01 10    015745.40
                KC,$X0,$X1                                                    21.01 90    015746.00
                BXE,$+1.32                                                 15750.32 C2    015746.40
                SIC,SEN                                                     1310.00 80    015747.00
                B,SERS              -SX, BIT 37, TO IX CORE STG FAILS.      1304.10 00    015747.40
                -
                Z,$R                                                          11.22 00    015750.00
                SX,$X0,$R                                                     11.01 10    015750.40
                KC,$X0,$R                                                     11.01 90    015751.00
                BXE,$+1.32                                                 15753.32 C2    015751.40
                SIC,SEN                                                     1310.00 80    015752.00
                B,SERS              -SX, BIT 37, TO INT. MEM. FAILS.        1304.10 00    015752.40
```

```
LX,$X0,BIT38A       -CHECK SX, BIT 38, INTO 3 MEMORIES.     16575.00 10     015753.00
Z,I16DMP                                                    16561.22 00     015753.40
SX,$X0,I16DMP                                               16561.01 10     015754.00
KC,$X0,I16DMP                                               16561.01 90     015754.40
BXE,$+1.32                                                  15756.72 C2     015755.00
SIC,SEN                                                      1310.00 80     015755.40
B,SERS              -SX, BIT 38, TO EXT. MEM. FAILS.        1304.10 00     015756.00
-
Z,$X1                                                          21.22 00     015756.40
SX,$X0,$X1                                                     21.01 10     015757.00
KC,$X0,$X1                                                     21.01 90     015757.40
BXE,$+1.32                                                  15761.72 C2     015760.00
SIC,SEN                                                      1310.00 80     015760.40
B,SERS            -SX, BIT 38, TO IX CORE STG FAILS.        1304.10 00     015761.00
-
Z,$R                                                           11.22 00     015761.40
SX,$X0,$R                                                      11.01 10     015762.00
KC,$X0,$R                                                      11.01 90     015762.40
BXE,$+1.32                                                  15764.72 C2     015763.00
SIC,SEN                                                      1310.00 80     015763.40
B,SERS              -SX, BIT 38, TO INT. MEM. FAILS.        1304.10 00     015764.00
-
LX,$X0,BIT39A       -CHECK SX, BIT 39, INTO 3 MEMORIES.     16576.00 10     015764.40
Z,I16DMP                                                    16561.22 00     015765.00
SX,$X0,I16DMP                                               16561.01 10     015765.40
KC,$X0,I16DMP                                               16561.01 90     015766.00
BXE,$+1.32                                                  15770.32 C2     015766.40
SIC,SEN                                                      1310.00 80     015767.00
B,SERS              -SX, BIT 39, TO EXT. MEM. FAILS.        1304.10 00     015767.40
-
Z,$X1                                                          21.22 00     015770.00
SX,$X0,$X1                                                     21.01 10     015770.40
KC,$X0,$X1                                                     21.01 90     015771.00
BXE,$+1.32                                                  15773.32 C2     015771.40
SIC,SEN                                                      1310.00 80     015772.00
B,SERS            -SX, BIT 39, TO IX CORE STG FAILS.        1304.10 00     015772.40
-
Z,$R                                                           11.22 00     015773.00
SX,$X0,$R                                                      11.01 10     015773.40
KC,$X0,$R                                                      11.01 90     015774.00
BXE,$+1.32                                                  15776.32 C2     015774.40
SIC,SEN                                                      1310.00 80     015775.00
B,SERS              -SX, BIT 39, TO INT. MEM. FAILS.        1304.10 00     015775.40
-
B,$+1.0                                                     15777.10 00     015776.00
BD,I1613                                                    15741.44 00     015776.40
SIC,SEN0+.32                                                 1311.40 80     015777.00
B,SSW                                                        1301.10 00     015777.40
BD,$+.32                                                    16000.44 00     016000.00
                                                                -
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.               16557.32 10     016000.40
V+,$X13,BIT11                                               17341.32 B0     016001.00
SX,$X13,IC216                                               16557.33 10     016001.40
```

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11614   LX,$X0,BIT40A       -CHECK SX, BIT 40, INTO 3 MEMORIES.   16577.00 10   016002.00
        Z,116DMP                                                  16561.22 00   016002.40
        SX,$X0,116DMP                                             16561.01 10   016003.00
        KC,$X0,116DMP                                             16561.01 90   016003.40
        BXE,$+1.32                                                16005.72 C2   016004.00
        SIC,SEN                                                    1310.00 80   016004.40
        B,SERS              -SX, BIT 40, TO EXT. MEM. FAILS.       1304.10 00   016005.00
        -
        Z,$X1                                                        21.22 00   016005.40
        SX,$X0,$X1                                                   21.01 10   016006.00
        KC,$X0,$X1                                                   21.01 90   016006.40
        BXE,$+1.32                                                16010.72 C2   016007.00
        SIC,SEN                                                    1310.00 80   016007.40
        B,SERS              -SX, BIT 40, TO IX CORE STG FAILS.     1304.10 00   016010.00
        -
        Z,$R                                                         11.22 00   016010.40
        SX,$X0,$R                                                    11.01 10   016011.00
        KC,$X0,$R                                                    11.01 90   016011.40
        BXE,$+1.32                                                16013.72 C2   016012.00
        SIC,SEN                                                    1310.00 80   016012.40
        B,SERS              -SX, BIT 40, TO INT. MEM. FAILS.       1304.10 00   016013.00
        -
        LX,$X0,BIT41A       -CHECK SX, BIT 41, INTO 3 MEMORIES.   16600.00 10   016013.40
        Z,116DMP                                                  16561.22 00   016014.00
        SX,$X0,116DMP                                             16561.01 10   016014.40
        KC,$X0,116DMP                                             16561.01 90   016015.00
        BXE,$+1.32                                                16017.32 C2   016015.40
        SIC,SEN                                                    1310.00 80   016016.00
        B,SERS              -SX, BIT 41, TO EXT. MEM. FAILS.       1304.10 00   016016.40
        -
        Z,$X1                                                        21.22 00   016017.00
        SX,$X0,$X1                                                   21.01 10   016017.40
        KC,$X0,$X1                                                   21.01 90   016020.00
        BXE,$+1.32                                                16022.32 C2   016020.40
        SIC,SEN                                                    1310.00 80   016021.00
        B,SERS              -SX, BIT 41, TO IX CORE STG FAILS.     1304.10 00   016021.40
        -
        Z,$R                                                         11.22 00   016022.00
        SX,$X0,$R                                                    11.01 10   016022.40
        KC,$X0,$R                                                    11.01 90   016023.00
        BXE,$+1.32                                                16025.32 C2   016023.40
        SIC,SEN                                                    1310.00 80   016024.00
        B,SERS              -SX, BIT 41, TO INT. MEM. FAILS.       1304.10 00   016024.40
```

```
                    LX,$X0,BIT42A       -CHECK SX, BIT 42, INTO 3 MEMORIES.   16601.00 10   016025.00
                    Z,I16DMP                                                  16561.22 00   016025.40
                    SX,$X0,I16DMP                                             16561.01 10   016026.00
                    KC,$X0,I16DMP                                             16561.01 90   016026.40
                    BXE,$+1.32                                                16030.72 C2   016027.00
                    SIC,SEN                                                    1310.00 80   016027.40
                    B,SERS              -SX, BIT 42, TO EXT. MEM. FAILS.       1304.10 00   016030.00
                    -
                    Z,$X1                                                        21.22 00   016030.40
                    SX,$X0,$X1                                                   21.01 10   016031.00
                    KC,$X0,$X1                                                   21.01 90   016031.40
                    BXE,$+1.32                                                16033.72 C2   016032.00
                    SIC,SEN                                                    1310.00 80   016032.40
                    B,SERS              -SX, BIT 42, TO IX CORE STG FAILS.     1304.10 00   016033.00
                    -
                    Z,$R                                                         11.22 00   016033.40
                    SX,$X0,$R                                                    11.01 10   016034.00
                    KC,$X0,$R                                                    11.01 90   016034.40
                    BXE,$+1.32                                                16036.72 C2   016035.00
                    SIC,SEN                                                    1310.00 80   016035.40
                    B,SERS              -SX, BIT 42, TO INT. MEM. FAILS.       1304.10 00   016036.00
                    -
                    B,$+1.0                                                   16037.50 00   016036.40
                    BD,I1614                                                  16002.04 00   016037.00
                    SIC,SEN0+.32                                               1311.40 80   016037.40
                    B,SSW               -TO SSIP.                              1301.10 00   016040.00
                    BD,$+.32                                                  16041.04 00   016040.40
                                                                                    -
                    LX,$X13,IC216       -UPDATE CONTINUITY CHECK.             16557.32 10   016041.00
                    V+,$X13,BIT12                                             17342.32 B0   016041.40
                    SX,$X13,IC216                                             16557.33 10   016042.00
                    -
I1615               LX,$X0,BIT43A       -CHECK SX, BIT 43, INTO 3 MEMORIES.   16602.00 10   016042.40
                    Z,I16DMP                                                  16561.22 00   016043.00
                    SX,$X0,I16DMP                                             16561.01 10   016043.40
                    KC,$X0,I16DMP                                             16561.01 90   016044.00
                    BXE,$+1.32                                                16046.32 C2   016044.40
                    SIC,SEN                                                    1310.00 80   016045.00
                    B,SERS              -SX, BIT 43, TO EXT. MEM. FAILS.       1304.10 00   016045.40
                    -
                    Z,$X1                                                        21.22 00   016046.00
                    SX,$X0,$X1                                                   21.01 10   016046.40
                    KC,$X0,$X1                                                   21.01 90   016047.00
                    BXE,$+1.32                                                16051.32 C2   016047.40
                    SIC,SEN                                                    1310.00 80   016050.00
                    B,SERS              -SX, BIT 43, TO IX CORE STG FAILS.     1304.10 00   016050.40
                    -
                    Z,$R                                                         11.22 00   016051.00
                    SX,$X0,$R                                                    11.01 10   016051.40
                    KC,$X0,$R                                                    11.01 90   016052.00
                    BXE,$+1.32                                                16054.32 C2   016052.40
                    SIC,SEN                                                    1310.00 80   016053.00
                    B,SERS              -SX, BIT 43, TO INT. MEM. FAILS.       1304.10 00   016053.40
```

```
LX,$X0,BIT44A       -CHECK SX, BIT 44, INTO 3 MEMORIES.   16603.00 10   016054.00
Z,116DMP                                                  16561.22 00   016054.40
SX,$X0,116DMP                                             16561.01 10   016055.00
KC,$X0,116DMP                                             16561.01 90   016055.40
BXE,$+1.32                                                16057.72 C2   016056.00
SIC,SEN                                                    1310.00 80   016056.40
B,SERS              -SX, BIT 44, TO EXT. MEM. FAILS.       1304.10 00   016057.00
-
Z,$X1                                                        21.22 00   016057.40
SX,$X0,$X1                                                   21.01 10   016060.00
KC,$X0,$X1                                                   21.01 90   016060.40
BXE,$+1.32                                                16062.72 C2   016061.00
SIC,SEN                                                    1310.00 80   016061.40
B,SERS              -SX, BIT 44, TO IX CORE STG FAILS.     1304.10 00   016062.00
-
Z,$R                                                         11.22 00   016062.40
SX,$X0,$R                                                    11.01 10   016063.00
KC,$X0,$R                                                    11.01 90   016063.40
BXE,$+1.32                                                16065.72 C2   016064.00
SIC,SEN                                                    1310.00 80   016064.40
B,SERS              -SX, BIT 44, TO INT. MEM. FAILS.       1304.10 00   016065.00
-
LX,$X0,BIT45A       -CHECK SX, BIT 45, INTO 3 MEMORIES.   16604.00 10   016065.40
Z,116DMP                                                  16561.22 00   016066.00
SX,$X0,116DMP                                             16561.01 10   016066.40
KC,$X0,116DMP                                             16561.01 90   016067.00
BXE,$+1.32                                                16071.32 C2   016067.40
SIC,SEN                                                    1310.00 80   016070.00
B,SERS              -SX, BIT 45, TO EXT. MEM. FAILS.       1304.10 00   016070.40
-
Z,$X1                                                        21.22 00   016071.00
SX,$X0,$X1                                                   21.01 10   016071.40
KC,$X0,$X1                                                   21.01 90   016072.00
BXE,$+1.32                                                16074.32 C2   016072.40
SIC,SEN                                                    1310.00 80   016073.00
B,SERS              -SX, BIT 45, TO IX CORE STG FAILS.     1304.10 00   016073.40
-
Z,$R                                                         11.22 00   016074.00
SX,$X0,$R                                                    11.01 10   016074.40
KC,$X0,$R                                                    11.01 90   016075.00
BXE,$+1.32                                                16077.32 C2   016075.40
SIC,SEN                                                    1310.00 80   016076.00
B,SERS              -SX, BIT 45, TO INT. MEM. FAILS.       1304.10 00   016076.40
-
B,$+1,0                                                   16100.10 00   016077.00
BD,11615                                                  16042.44 00   016077.40
SIC,SEN0+.32                                               1311.40 80   016100.00
B,SSW               -TO SSIP.                              1301.10 00   016100.40
BD,$+.32                                                  16101.44 00   016101.00
-
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.             16557.32 10   016101.40
V+,$X13,BIT13                                             17343.32 B0   016102.00
SX,$X13,IC216                                             16557.33 10   016102.40
```

```
11616   LX,$X0,BIT46        -CHECK SX, BIT 46, INTO 3 MEMORIES.   17404.00 10   016103.00
        Z,116DMP                                                  16561.22 00   016103.40
        SX,$X0,116DMP                                             16561.01 10   016104.00
        Z,116DP                                                   16562.22 00   016104.40
        LX,$X1,116DMP                                             16561.02 10   016105.00
        LX,$X2,BIT0         -REFILL SHFTD LEFT 46.                17326.04 10   016105.40
        SR,$X1,116DP                                              16562.03 70   016106.00
        KV,$X2,116DP                                              16562.04 90   016106.40
        BXE,$+1.32                                                16110.72 C2   016107.00
        SIC,SEN                                                    1310.00 80   016107.40
        B,SERS              -SX, BIT 46, TO EXT. MEM. FAILS.       1304.10 00   016110.00
        -
        Z,$X3                                                        23.22 00   016110.40
        SX,$X0,$X3                                                   23.01 10   016111.00
        LX,$X1,$X3                                                   23.02 10   016111.40
        Z,116DP                                                   16562.22 00   016112.00
        SR,$X1,116DP                                              16562.03 70   016112.40
        KV,$X2,116DP                                              16562.04 90   016113.00
        BXE,$+1.32                                                16115.32 C2   016113.40
        SIC,SEN                                                    1310.00 80   016114.00
        B,SERS              -SX, BIT 46, TO IX. CORE STG. FAILS.   1304.10 00   016114.40
        -
        Z,$R                                                         11.22 00   016115.00
        SX,$X0,$R                                                    11.01 10   016115.40
        LX,$X1,$R                                                    11.02 10   016116.00
        Z,116DP                                                   16562.22 00   016116.40
        SR,$X1,116DP                                              16562.03 70   016117.00
        KV,$X2,116DP                                              16562.04 90   016117.40
        BXE,$+1.32                                                16121.72 C2   016120.00
        SIC,SEN                                                    1310.00 80   016120.40
        B,SERS              -SX,BIT 46, TO INT. MEM. FAILS.        1304.10 00   016121.00
        -
        LX,$X0,BIT47        -CHECK SX, BIT 47, INTO 3 MEMORIES.   17405.00 10   016121.40
        Z,116DMP                                                  16561.22 00   016122.00
        SX,$X0,116DMP                                             16561.01 10   016122.40
        Z,116DP                                                   16562.22 00   016123.00
        LX,$X1,116DMP                                             16561.02 10   016123.40
        LX,$X2,BIT1         -REFILL SHFTD LEFT 46.                17327.04 10   016124.00
        SR,$X1,116DP                                              16562.03 70   016124.40
        KV,$X2,116DP                                              16562.04 90   016125.00
        BXE,$+1.32                                                16127.32 C2   016125.40
        SIC,SEN                                                    1310.00 80   016126.00
        B,SERS              -SX, BIT 47, TO EXT. MEM. FAILS.       1304.10 00   016126.40
        -
        Z,$X3                                                        23.22 00   016127.00
        SX,$X0,$X3                                                   23.01 10   016127.40
        LX,$X1,$X3                                                   23.02 10   016130.00
        Z,116DP                                                   16562.22 00   016130.40
        SR,$X1,116DP                                              16562.03 70   016131.00
        KV,$X2,116DP                                              16562.04 90   016131.40
        BXE,$+1.32                                                16133.72 C2   016132.00
        SIC,SEN                                                    1310.00 80   016132.40
        B,SERS              -SX, BIT 47, TO IX. CORE STG. FAILS.   1304.10 00   016133.00
        -
        Z,$R                                                         11.22 00   016133.40
        SX,$X0,$R                                                    11.01 10   016134.00
        LX,$X1,$R                                                    11.02 10   016134.40
        Z,116DP                                                   16562.22 00   016135.00
        SR,$X1,116DP                                              16562.03 70   016135.40
        KV,$X2,116DP                                              16562.04 90   016136.00
        BXE,$+1.32                                                16140.32 C2   016136.40
        SIC,SEN                                                    1310.00 80   016137.00
        B,SERS              -SX, BIT 47, TO INT. MEM. FAILS.       1304.10 00   016137.40
```

```
-
B,$+1.0                                                  16141.10 00          016140.00
BD,I1616                                                 16103.04 00          016140.40
SIC,SEN0+.32                                              1311.40 80          016141.00
B,SSW                  -TO SSIP                           1301.10 00          016141.40
BD,$+.32                                                 16142.44 00          016142.00
                                                                -
LX,$X13,IC216          -UPDATE CONTINUITY CHECK.         16557.32 10          016142.40
V+,$X13,BIT14                                            17344.32 B0          016143.00
SX,$X13,IC216                                            16557.33 10          016143.40
```

```
11617   LX,$X0,BIT48        -CHECK SX, BIT 48, INTO 3 MEMORIES.   17406.00 10   016144.00
        Z,116DMP                                                  16561.22 00   016144.40
        SX,$X0,116DMP                                             16561.01 10   016145.00
        Z,116DP                                                   16562.22 00   016145.40
        LX,$X1,116DMP                                             16561.02 10   016146.00
        LX,$X2,BIT2         -REFILL SHFTD LEFT 46.                17330.04 10   016146.40
        SR,$X1,116DP                                              16562.03 70   016147.00
        KV,$X2,116DP                                              16562.04 90   016147.40
        BXE,$+1.32                                                16151.72 C2   016150.00
        SIC,SEN                                                    1310.00 80   016150.40
        B,SERS              -SX, BIT 48, TO EXT. MEM. FAILS.       1304.10 00   016151.00
        -
        Z,$X3                                                        23.22 00   016151.40
        SX,$X0,$X3                                                   23.01 10   016152.00
        LX,$X1,$X3                                                   23.02 10   016152.40
        Z,116DP                                                   16562.22 00   016153.00
        SR,$X1,116DP                                              16562.03 70   016153.40
        KV,$X2,116DP                                              16562.04 90   016154.00
        BXE,$+1.32                                                16156.32 C2   016154.40
        SIC,SEN                                                    1310.00 80   016155.00
        B,SERS              -SX, BIT 48, TO IX. CORE STG. FAILS.   1304.10 00   016155.40
        -
        Z,$R                                                         11.22 00   016156.00
        SX,$X0,$R                                                    11.01 10   016156.40
        LX,$X1,$R                                                    11.02 10   016157.00
        Z,116DP                                                   16562.22 00   016157.40
        SR,$X1,116DP                                              16562.03 70   016160.00
        KV,$X2,116DP                                              16562.04 90   016160.40
        BXE,$+1.32                                                16162.72 C2   016161.00
        SIC,SEN                                                    1310.00 80   016161.40
        B,SERS              -SX, BIT 48, TO INT. MEM. FAILS.       1304.10 00   016162.00
        -
        LX,$X0,BIT49        -CHECK SX, BIT 49, INTO 3 MEMORIES.   17407.00 10   016162.40
        Z,116DMP                                                  16561.22 00   016163.00
        SX,$X0,116DMP                                             16561.01 10   016163.40
        Z,116DP                                                   16562.22 00   016164.00
        LX,$X1,116DMP                                             16561.02 10   016164.40
        LX,$X2,BIT3         -REFILL SHFTD LEFT 46.                17331.04 10   016165.00
        SR,$X1,116DP                                              16562.03 70   016165.40
        KV,$X2,116DP                                              16562.04 90   016166.00
        BXE,$+1.32                                                16170.32 C2   016166.40
        SIC,SEN                                                    1310.00 80   016167.00
        B,SERS              -SX, BIT 49, TO EXT. MEM. FAILS.       1304.10 00   016167.40
        -
        Z,$X3                                                        23.22 00   016170.00
        SX,$X0,$X3                                                   23.01 10   016170.40
        LX,$X1,$X3                                                   23.02 10   016171.00
        Z,116DP                                                   16562.22 00   016171.40
        SR,$X1,116DP                                              16562.03 70   016172.00
        KV,$X2,116DP                                              16562.04 90   016172.40
        BXE,$+1.32                                                16174.72 C2   016173.00
        SIC,SEN                                                    1310.00 80   016173.40
        B,SERS              -SX, BIT 49, TO IX. CORE STG. FAILS.   1304.10 00   016174.00
        -
        Z,$R                                                         11.22 00   016174.40
        SX,$X0,$R                                                    11.01 10   016175.00
        LX,$X1,$R                                                    11.02 10   016175.40
        Z,116DP                                                   16562.22 00   016176.00
        SR,$X1,116DP                                              16562.03 70   016176.40
        KV,$X2,116DP                                              16562.04 90   016177.00
        BXE,$+1.32                                                16201.32 C2   016177.40
        SIC,SEN                                                    1310.00 80   016200.00
        B,SERS              -SX, BIT 49, TO INT. MEM. FAILS.       1304.10 00   016200.40
```

```
-
B,$+1.0                                                  16202.10 00          016201.00
BD,I1617                                                 16144.04 00          016201.40
SIC,SEN0+.32                                              1311.40 80          016202.00
B,SSW                  -TO SSIP.                          1301.10 00          016202.40
BD,$+.32                                                 16203.44 00          016203.00
                                                                -
LX,$X13,IC216          -UPDATE CONTINUITY CHECK.         16557.32 10          016203.40
V+,$X13,BIT15                                            17345.32 B0          016204.00
SX,$X13,IC216                                            16557.33 10          016204.40
```

```
I1618   LX,$X0,BIT50        -CHECK SX, BIT 50, INTO 3 MEMORIES.   17410.00 10   016205.00
        Z,I16DMP                                                  16561.22 00   016205.40
        SX,$X0,I16DMP                                             16561.01 10   016206.00
        Z,I16DP                                                   16562.22 00   016206.40
        LX,$X1,I16DMP                                             16561.02 10   016207.00
        LX,$X2,BIT4         -REFILL SHFTD LEFT 46.                17332.04 10   016207.40
        SR,$X1,I16DP                                              16562.03 70   016210.00
        KV,$X2,I16DP                                              16562.04 90   016210.40
        BXE,$+1.32                                                16212.72 C2   016211.00
        SIC,SEN                                                    1310.00 80   016211.40
        B,SERS              -SX, BIT 50, TO EXT. MEM. FAILS.       1304.10 00   016212.00
        -
        Z,$X3                                                        23.22 00   016212.40
        SX,$X0,$X3                                                   23.01 10   016213.00
        LX,$X1,$X3                                                   23.02 10   016213.40
        Z,I16DP                                                   16562.22 00   016214.00
        SR,$X1,I16DP                                              16562.03 70   016214.40
        KV,$X2,I16DP                                              16562.04 90   016215.00
        BXE,$+1.32                                                16217.32 C2   016215.40
        SIC,SEN                                                    1310.00 80   016216.00
        B,SERS              -SX, BIT 50, TO IX. CORE STG. FAILS.   1304.10 00   016216.40
        -
        Z,$R                                                         11.22 00   016217.00
        SX,$X0,$R                                                    11.01 10   016217.40
        LX,$X1,$R                                                    11.02 10   016220.00
        Z,I16DP                                                   16562.22 00   016220.40
        SR,$X1,I16DP                                              16562.03 70   016221.00
        KV,$X2,I16DP                                              16562.04 90   016221.40
        BXE,$+1.32                                                16223.72 C2   016222.00
        SIC,SEN                                                    1310.00 80   016222.40
        B,SERS              -SX,BIT 50, TO INT. MEM. FAILS.        1304.10 00   016223.00
        -
        LX,$X0,BIT51        -CHECK SX, BIT 51, INTO 3 MEMORIES.   17411.00 10   016223.40
        Z,I16DMP                                                  16561.22 00   016224.00
        SX,$X0,I16DMP                                             16561.01 10   016224.40
        Z,I16DP                                                   16562.22 00   016225.00
        LX,$X1,I16DMP                                             16561.02 10   016225.40
        LX,$X2,BIT5         -REFILL SHFTD LEFT 46.                17333.04 10   016226.00
        SR,$X1,I16DP                                              16562.03 70   016226.40
        KV,$X2,I16DP                                              16562.04 90   016227.00
        BXE,$+1.32                                                16231.32 C2   016227.40
        SIC,SEN                                                    1310.00 80   016230.00
        B,SERS              -SX, BIT 51, TO EXT. MEM. FAILS.       1304.10 00   016230.40
        -
        Z,$X3                                                        23.22 00   016231.00
        SX,$X0,$X3                                                   23.01 10   016231.40
        LX,$X1,$X3                                                   23.02 10   016232.00
        Z,I16DP                                                   16562.22 00   016232.40
        SR,$X1,I16DP                                              16562.03 70   016233.00
        KV,$X2,I16DP                                              16562.04 90   016233.40
        BXE,$+1.32                                                16235.72 C2   016234.00
        SIC,SEN                                                    1310.00 80   016234.40
        B,SERS              -SX, BIT 51, TO IX. CORE STG. FAILS.   1304.10 00   016235.00
        -
        Z,$R                                                         11.22 00   016235.40
        SX,$X0,$R                                                    11.01 10   016236.00
        LX,$X1,$R                                                    11.02 10   016236.40
        Z,I16DP                                                   16562.22 00   016237.00
        SR,$X1,I16DP                                              16562.03 70   016237.40
        KV,$X2,I16DP                                              16562.04 90   016240.00
        BXE,$+1.32                                                16242.32 C2   016240.40
        SIC,SEN                                                    1310.00 80   016241.00
        B,SERS              -SX, BIT 51, TO INT. MEM. FAILS.       1304.10 00   016241.40
```

```
-
B,$+1.0                                                  16243.10 00      016242.00
BD,!1618                                                 16205.04 00      016242.40
SIC,SEN0+.32                                              1311.40 80      016243.00
B,SSW              -TO SSIP.                              1301.10 00      016243.40
BD,$+.32                                                 16244.44 00      016244.00
                                                                -
LX,$X13,IC216      -UPDATE CONTINUITY CHECK.             16557.32 10      016244.40
V+,$X13,BIT16                                            17346.32 B0      016245.00
SX,$X13,IC216                                            16557.33 10      016245.40
```

```
11619   LX,$X0,BIT52        -CHECK SX, BIT 52, INTO 3 MEMORIES.   17412.00 10   016246.00
        Z,I16DMP                                                  16561.22 00   016246.40
        SX,$X0,I16DMP                                             16561.01 10   016247.00
        Z,I16DP                                                   16562.22 00   016247.40
        LX,$X1,I16DMP                                             16561.02 10   016250.00
        LX,$X2,BIT6         -REFILL SHFTD LEFT 46.                17334.04 10   016250.40
        SR,$X1,I16DP                                              16562.03 70   016251.00
        KV,$X2,I16DP                                              16562.04 90   016251.40
        BXE,$+1.32                                                16253.72 C2   016252.00
        SIC,SEN                                                    1310.00 80   016252.40
        B,SERS              -SX, BIT 52, TO EXT. MEM. FAILS.       1304.10 00   016253.00
        -
        Z,$X3                                                        23.22 00   016253.40
        SX,$X0,$X3                                                   23.01 10   016254.00
        LX,$X1,$X3                                                   23.02 10   016254.40
        Z,I16DP                                                   16562.22 00   016255.00
        SR,$X1,I16DP                                              16562.03 70   016255.40
        KV,$X2,I16DP                                              16562.04 90   016256.00
        BXE,$+1.32                                                16260.32 C2   016256.40
        SIC,SEN                                                    1310.00 80   016257.00
        B,SERS              -SX, BIT 52, TO IX. CORE STG. FAILS.   1304.10 00   016257.40
        -
        Z,$R                                                         11.22 00   016260.00
        SX,$X0,$R                                                    11.01 10   016260.40
        LX,$X1,$R                                                    11.02 10   016261.00
        Z,I16DP                                                   16562.22 00   016261.40
        SR,$X1,I16DP                                              16562.03 70   016262.00
        KV,$X2,I16DP                                              16562.04 90   016262.40
        BXE,$+1.32                                                16264.72 C2   016263.00
        SIC,SEN                                                    1310.00 80   016263.40
        B,SERS              -SX, BIT 52, TO INT. MEM. FAILS.       1304.10 00   016264.00
        -
        LX,$X0,BIT53        -CHECK SX, BIT 53, INTO 3 MEMORIES.   17413.00 10   016264.40
        Z,I16DMP                                                  16561.22 00   016265.00
        SX,$X0,I16DMP                                             16561.01 10   016265.40
        Z,I16DP                                                   16562.22 00   016266.00
        LX,$X1,I16DMP                                             16561.02 10   016266.40
        LX,$X2,BIT7         -REFILL SHFTD LEFT 46.                17335.04 10   016267.00
        SR,$X1,I16DP                                              16562.03 70   016267.40
        KV,$X2,I16DP                                              16562.04 90   016270.00
        BXE,$+1.32                                                16272.32 C2   016270.40
        SIC,SEN                                                    1310.00 80   016271.00
        B,SERS              -SX, BIT 53, TO EXT. MEM. FAILS.       1304.10 00   016271.40
        -
        Z,$X3                                                        23.22 00   016272.00
        SX,$X0,$X3                                                   23.01 10   016272.40
        LX,$X1,$X3                                                   23.02 10   016273.00
        Z,I16DP                                                   16562.22 00   016273.40
        SR,$X1,I16DP                                              16562.03 70   016274.00
        KV,$X2,I16DP                                              16562.04 90   016274.40
        BXE,$+1.32                                                16276.72 C2   016275.00
        SIC,SEN                                                    1310.00 80   016275.40
        B,SERS              -SX, BIT 53, TO IX. CORE STG. FAILS.   1304.10 00   016276.00
        -
        Z,$R                                                         11.22 00   016276.40
        SX,$X0,$R                                                    11.01 10   016277.00
        LX,$X1,$R                                                    11.02 10   016277.40
        Z,I16DP                                                   16562.22 00   016300.00
        SR,$X1,I16DP                                              16562.03 70   016300.40
        KV,$X2,I16DP                                              16562.04 90   016301.00
        BXE,$+1.32                                                16303.32 C2   016301.40
        SIC,SEN                                                    1310.00 80   016302.00
        B,SERS              -SX, BIT 53, TO INT. MEM. FAILS.       1304.10 00   016302.40
```

```
-
B,$+1.0                                                    16304.10 00      016303.00
BD,I1619                                                   16246.04 00      016303.40
SIC,SEN0+.32                                                1311.40 80      016304.00
B,SSW               -TO SSIP.                               1301.10 00      016304.40
BD,$+.32                                                   16305.44 00      016305.00
-
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.              16557.32 10      016305.40
V+,$X13,BIT17                                              17347.32 B0      016306.00
SX,$X13,IC216                                              16557.33 10      016306.40
```

```
11620   LX,$X0,BIT54        -CHECK SX, BIT 54, INTO 3 MEMORIES.    17414.00 10    016307.00
        Z,116DMP                                                   16561.22 00    016307.40
        SX,$X0,116DMP                                              16561.01 10    016310.00
        Z,116DP                                                    16562.22 00    016310.40
        LX,$X1,116DMP                                              16561.02 10    016311.00
        LX,$X2,BIT8         -REFIL SHFTD LEFT 46.                  17336.04 10    016311.40
        SR,$X1,116DP                                               16562.03 70    016312.00
        KV,$X2,116DP                                               16562.04 90    016312.40
        BXE,$+1.32                                                 16314.72 C2    016313.00
        SIC,SEN                                                     1310.00 80    016313.40
        B,SERS              -SX, BIT 54, TO EXT. MEM. FAILS.       1304.10 00    016314.00
        -
        Z,$X3                                                        23.22 00    016314.40
        SX,$X0,$X3                                                   23.01 10    016315.00
        LX,$X1,$X3                                                   23.02 10    016315.40
        Z,116DP                                                    16562.22 00    016316.00
        SR,$X1,116DP                                               16562.03 70    016316.40
        KV,$X2,116DP                                               16562.04 90    016317.00
        BXE,$+1.32                                                 16321.32 C2    016317.40
        SIC,SEN                                                     1310.00 80    016320.00
        B,SERS              -SX, BIT 54, TO IX. CORE STG. FAILS.   1304.10 00    016320.40
        -
        Z,$R                                                         11.22 00    016321.00
        SX,$X0,$R                                                    11.01 10    016321.40
        LX,$X1,$R                                                    11.02 10    016322.00
        Z,116DP                                                    16562.22 00    016322.40
        SR,$X1,116DP                                               16562.03 70    016323.00
        KV,$X2,116DP                                               16562.04 90    016323.40
        BXE,$+1.32                                                 16325.72 C2    016324.00
        SIC,SEN                                                     1310.00 80    016324.40
        B,SERS              -SX, BIT 54, TO INT. MEM. FAILS.       1304.10 00    016325.00
        -
        LX,$X0,BIT55        -CHECK SX, BIT 55, INTO 3 MEMORIES.    17415.00 10    016325.40
        Z,116DMP                                                   16561.22 00    016326.00
        SX,$X0,116DMP                                              16561.01 10    016326.40
        Z,116DP                                                    16562.22 00    016327.00
        LX,$X1,116DMP                                              16561.02 10    016327.40
        LX,$X2,BIT9         -REFILL SHFTD LEFT 46.                 17337.04 10    016330.00
        SR,$X1,116DP                                               16562.03 70    016330.40
        KV,$X2,116DP                                               16562.04 90    016331.00
        BXE,$+1.32                                                 16333.32 C2    016331.40
        SIC,SEN                                                     1310.00 80    016332.00
        B,SERS              -SX, BIT 55, TO EXT. MEM. FAILS.       1304.10 00    016332.40
        -
        Z,$X3                                                        23.22 00    016333.00
        SX,$X0,$X3                                                   23.01 10    016333.40
        LX,$X1,$X3                                                   23.02 10    016334.00
        Z,116DP                                                    16562.22 00    016334.40
        SR,$X1,116DP                                               16562.03 70    016335.00
        KV,$X2,116DP                                               16562.04 90    016335.40
        BXE,$+1.32                                                 16337.72 C2    016336.00
        SIC,SEN                                                     1310.00 80    016336.40
        B,SERS              -SX, BIT 55, TO IX. CORE STG. FAILS.   1304.10 00    016337.00
        -
        Z,$R                                                         11.22 00    016337.40
        SX,$X0,$R                                                    11.01 10    016340.00
        LX,$X1,$R                                                    11.02 10    016340.40
        Z,116DP                                                    16562.22 00    016341.00
        SR,$X1,116DP                                               16562.03 70    016341.40
        KV,$X2,116DP                                               16562.04 90    016342.00
        BXE,$+1.32                                                 16344.32 C2    016342.40
        SIC,SEN                                                     1310.00 80    016343.00
        B,SERS              -SX, BIT 55 TO INT MEM FAILS.          1304.10 00    016343.40
```

```
-
B,$+1.0                                                  16345.10 00          016344.00
BD,I1620                                                 16307.04 00          016344.40
SIC,SEN0+.32                                              1311.40 80          016345.00
B,SSW              -TO SSIP.                              1301.10 00          016345.40
BD,$+.32                                                 16346.44 00          016346.00
                                                                -
LX,$X13,IC216      -UPDATE CONTINUITY CHECK.             16557.32 10          016346.40
V+,$X13,BIT18                                            17350.32 B0          016347.00
SX,$X13,IC216                                            16557.33 10          016347.40
```

```
11621   LX,$X0,BIT56        -CHECK SX, BIT 56, INTO 3 MEMORIES.   17416.00 10   016350.00
        Z,I16DMP                                                  16561.22 00   016350.40
        SX,$X0,I16DMP                                             16561.01 10   016351.00
        Z,I16DP                                                   16562.22 00   016351.40
        LX,$X1,I16DMP                                             16561.02 10   016352.00
        LX,$X2,BIT10        -REFILL SHFTD LEFT 46.                17340.04 10   016352.40
        SR,$X1,I16DP                                              16562.03 70   016353.00
        KV,$X2,I16DP                                              16562.04 90   016353.40
        BXE,$+1.32                                                16355.72 C2   016354.00
        SIC,SEN                                                    1310.00 80   016354.40
        B,SERS              -SX, BIT 56, TO EXT. MEM. FAILS.       1304.10 00   016355.00
        -
        Z,$X3                                                        23.22 00   016355.40
        SX,$X0,$X3                                                   23.01 10   016356.00
        LX,$X1,$X3                                                   23.02 10   016356.40
        Z,I16DP                                                   16562.22 00   016357.00
        SR,$X1,I16DP                                              16562.03 70   016357.40
        KV,$X2,I16DP                                              16562.04 90   016360.00
        BXE,$+1.32                                                16362.32 C2   016360.40
        SIC,SEN                                                    1310.00 80   016361.00
        B,SERS              -SX, BIT 56, TO IX. CORE STG. FAILS.   1304.10 00   016361.40
        -
        Z,$R                                                         11.22 00   016362.00
        SX,$X0,$R                                                    11.01 10   016362.40
        LX,$X1,$R                                                    11.02 10   016363.00
        Z,I16DP                                                   16562.22 00   016363.40
        SR,$X1,I16DP                                              16562.03 70   016364.00
        KV,$X2,I16DP                                              16562.04 90   016364.40
        BXE,$+1.32                                                16366.72 C2   016365.00
        SIC,SEN                                                    1310.00 80   016365.40
        B,SERS              -SX, BIT 56, TO INT. MEM. FAILS.       1304.10 00   016366.00
        -
        LX,$X0,BIT57        -CHECK SX, BIT 57, INTO 3 MEMORIES.   17417.00 10   016366.40
        Z,I16DMP                                                  16561.22 00   016367.00
        SX,$X0,I16DMP                                             16561.01 10   016367.40
        Z,I16DP                                                   16562.22 00   016370.00
        LX,$X1,I16DMP                                             16561.02 10   016370.40
        LX,$X2,BIT11        -REFILL SHFTD LEFT 46.                17341.04 10   016371.00
        SR,$X1,I16DP                                              16562.03 70   016371.40
        KV,$X2,I16DP                                              16562.04 90   016372.00
        BXE,$+1.32                                                16374.32 C2   016372.40
        SIC,SEN                                                    1310.00 80   016373.00
        B,SERS              -SX, BIT 57, TO EXT. MEM. FAILS.       1304.10 00   016373.40
        -
        Z,$X3                                                        23.22 00   016374.00
        SX,$X0,$X3                                                   23.01 10   016374.40
        LX,$X1,$X3                                                   23.02 10   016375.00
        Z,I16DP                                                   16562.22 00   016375.40
        SR,$X1,I16DP                                              16562.03 70   016376.00
        KV,$X2,I16DP                                              16562.04 90   016376.40
        BXE,$+1.32                                                16400.72 C2   016377.00
        SIC,SEN                                                    1310.00 80   016377.40
        B,SERS              -SX, BIT 57, TO IX. CORE STG. FAILS.   1304.10 00   016400.00
        -
        Z,$R                                                         11.22 00   016400.40
        SX,$X0,$R                                                    11.01 10   016401.00
        LX,$X1,$R                                                    11.02 10   016401.40
        Z,I16DP                                                   16562.22 00   016402.00
        SR,$X1,I16DP                                              16562.03 70   016402.40
        KV,$X2,I16DP                                              16562.04 90   016403.00
        BXE,$+1.32                                                16405.32 C2   016403.40
        SIC,SEN                                                    1310.00 80   016404.00
        B,SERS              -SX, BIT 57, TO INT. MEM. FAILS.       1304.10 00   016404.40
```

```
-
B,$+1.0                                                    16406.10 00    016405.00
BD,I1621                                                   16350.04 00    016405.40
SIC,SEN0+.32                                                1311.40 80    016406.00
B,SSW                  -TO SSIP                             1301.10 00    016406.40
BD,$+.32                                                   16407.44 00    016407.00
                                                                -
LX,$X13,IC216          -UPDATE CONTINUITY CHECK.            16557.32 10    016407.40
V+,$X13,BIT19                                              17351.32 B0    016410.00
SX,$X13,IC216                                              16557.33 10    016410.40
```

```
11622   LX,$X0,BIT58        -CHECK SX, BIT 58, INTO 3 MEMORIES.    17420.00 10    016411.00
        Z,I16DMP                                                   16561.22 00    016411.40
        SX,$X0,I16DMP                                              16561.01 10    016412.00
        Z,I16DP                                                    16562.22 00    016412.40
        LX,$X1,I16DMP                                              16561.02 10    016413.00
        LX,$X2,BIT12        -REFILL SHFTD LEFT 46.                 17342.04 10    016413.40
        SR,$X1,I16DP                                               16562.03 70    016414.00
        KV,$X2,I16DP                                               16562.04 90    016414.40
        BXE,$+1.32                                                 16416.72 C2    016415.00
        SIC,SEN                                                     1310.00 80    016415.40
        B,SERS              -SX, BIT 58, TO EXT. MEM. FAILS.       1304.10 00    016416.00
        -
        Z,$X3                                                         23.22 00    016416.40
        SX,$X0,$X3                                                    23.01 10    016417.00
        LX,$X1,$X3                                                    23.02 10    016417.40
        Z,I16DP                                                    16562.22 00    016420.00
        SR,$X1,I16DP                                               16562.03 70    016420.40
        KV,$X2,I16DP                                               16562.04 90    016421.00
        BXE,$+1.32                                                 16423.32 C2    016421.40
        SIC,SEN                                                     1310.00 80    016422.00
        B,SERS              -SX, BIT 58, TO IX. CORE STG. FAILS.   1304.10 00    016422.40
        -
        Z,$R                                                          11.22 00    016423.00
        SX,$X0,$R                                                     11.01 10    016423.40
        LX,$X1,$R                                                     11.02 10    016424.00
        Z,I16DP                                                    16562.22 00    016424.40
        SR,$X1,I16DP                                               16562.03 70    016425.00
        KV,$X2,I16DP                                               16562.04 90    016425.40
        BXE,$+1.32                                                 16427.72 C2    016426.00
        SIC,SEN                                                     1310.00 80    016426.40
        B,SERS              -SX, BIT 58, TO INT. MEM. FAILS.       1304.10 00    016427.00
        -
        LX,$X0,BIT59        -CHECK SX, BIT 59, INTO 3 MEMORIES.    17421.00 10    016427.40
        Z,I16DMP                                                   16561.22 00    016430.00
        SX,$X0,I16DMP                                              16561.01 10    016430.40
        Z,I16DP                                                    16562.22 00    016431.00
        LX,$X1,I16DMP                                              16561.02 10    016431.40
        LX,$X2,BIT13        -REFILL SHFTD LEFT 46.                 17343.04 10    016432.00
        SR,$X1,I16DP                                               16562.03 70    016432.40
        KV,$X2,I16DP                                               16562.04 90    016433.00
        BXE,$+1.32                                                 16435.32 C2    016433.40
        SIC,SEN                                                     1310.00 80    016434.00
        B,SERS              -SX, BIT 59, TO EXT. MEM. FAILS.       1304.10 00    016434.40
        -
        Z,$X3                                                         23.22 00    016435.00
        SX,$X0,$X3                                                    23.01 10    016435.40
        LX,$X1,$X3                                                    23.02 10    016436.00
        Z,I16DP                                                    16562.22 00    016436.40
        SR,$X1,I16DP                                               16562.03 70    016437.00
        KV,$X2,I16DP                                               16562.04 90    016437.40
        BXE,$+1.32                                                 16441.72 C2    016440.00
        SIC,SEN                                                     1310.00 80    016440.40
        B,SERS              -SX, BIT 59, TO IX. CORE STG. FAILS.   1304.10 00    016441.00
        -
        Z,$R                                                          11.22 00    016441.40
        SX,$X0,$R                                                     11.01 10    016442.00
        LX,$X1,$R                                                     11.02 10    016442.40
        Z,I16DP                                                    16562.22 00    016443.00
        SR,$X1,I16DP                                               16562.03 70    016443.40
        KV,$X2,I16DP                                               16562.04 90    016444.00
        BXE,$+1.32                                                 16446.32 C2    016444.40
        SIC,SEN                                                     1310.00 80    016445.00
        B,SERS              -SX, BIT 59 TO INT MEM FAILS.          1304.10 00    016445.40
```

```
-
B,$+1.0                                                    16447.10 00          016446.00
BD,I1622                                                   16411.04 00          016446.40
SIC,SEN0+.32                                                1311.40 80          016447.00
B,SSW               -TO SSIP.                               1301.10 00          016447.40
BD,$+.32                                                   16450.44 00          016450.00
                                                                        -
LX,$X13,IC216       -UPDATE CONTINUITY CHECK.              16557.32 10          016450.40
V+,$X13,BIT20                                              17352.32 B0          016451.00
SX,$X13,IC216                                              16557.33 10          016451.40
```

```
11623   LX,$X0,BIT60        -CHECK SX, BIT 60, INTO 3 MEMORIES.   17422.00 10   016452.00
        Z,116DMP                                                  16561.22 00   016452.40
        SX,$X0,116DMP                                             16561.01 10   016453.00
        Z,116DP                                                   16562.22 00   016453.40
        LX,$X1,116DMP                                             16561.02 10   016454.00
        LX,$X2,BIT14        -REFILL SHFTD LEFT 46.                17344.04 10   016454.40
        SR,$X1,116DP                                              16562.03 70   016455.00
        KV,$X2,116DP                                              16562.04 90   016455.40
        BXE,$+1.32                                                16457.72 C2   016456.00
        SIC,SEN                                                    1310.00 80   016456.40
        B,SERS              -SX, BIT 60, TO EXT. MEM. FAILS.       1304.10 00   016457.00
        -
        Z,$X3                                                        23.22 00   016457.40
        SX,$X0,$X3                                                   23.01 10   016460.00
        LX,$X1,$X3                                                   23.02 10   016460.40
        Z,116DP                                                   16562.22 00   016461.00
        SR,$X1,116DP                                              16562.03 70   016461.40
        KV,$X2,116DP                                              16562.04 90   016462.00
        BXE,$+1.32                                                16464.32 C2   016462.40
        SIC,SEN                                                    1310.00 80   016463.00
        B,SERS              -SX, BIT 60, TO IX. CORE STG. FAILS.   1304.10 00   016463.40
        -
        Z,$R                                                         11.22 00   016464.00
        SX,$X0,$R                                                    11.01 10   016464.40
        LX,$X1,$R                                                    11.02 10   016465.00
        Z,116DP                                                   16562.22 00   016465.40
        SR,$X1,116DP                                              16562.03 70   016466.00
        KV,$X2,116DP                                              16562.04 90   016466.40
        BXE,$+1.32                                                16470.72 C2   016467.00
        SIC,SEN                                                    1310.00 80   016467.40
        B,SERS              -SX, BIT 60, TO INT. MEM. FAILS.       1304.10 00   016470.00
        -
        LX,$X0,BIT61        -CHECK SX, BIT 61, INTO 3 MEMORIES.   17423.00 10   016470.40
        Z,116DMP                                                  16561.22 00   016471.00
        SX,$X0,116DMP                                             16561.01 10   016471.40
        Z,116DP                                                   16562.22 00   016472.00
        LX,$X1,116DMP                                             16561.02 10   016472.40
        LX,$X2,BIT15        -REFILL SHFTD LEFT 46.                17345.04 10   016473.00
        SR,$X1,116DP                                              16562.03 70   016473.40
        KV,$X2,116DP                                              16562.04 90   016474.00
        BXE,$+1.32                                                16476.32 C2   016474.40
        SIC,SEN                                                    1310.00 80   016475.00
        B,SERS              -SX, BIT 61, TO EXT. MEM. FAILS.       1304.10 00   016475.40
        -
        Z,$X3                                                        23.22 00   016476.00
        SX,$X0,$X3                                                   23.01 10   016476.40
        LX,$X1,$X3                                                   23.02 10   016477.00
        Z,116DP                                                   16562.22 00   016477.40
        SR,$X1,116DP                                              16562.03 70   016500.00
        KV,$X2,116DP                                              16562.04 90   016500.40
        BXE,$+1.32                                                16502.72 C2   016501.00
        SIC,SEN                                                    1310.00 80   016501.40
        B,SERS              -SX, BIT 61, TO IX. CORE STG. FAILS.   1304.10 00   016502.00
        -
        Z,$R                                                         11.22 00   016502.40
        SX,$X0,$R                                                    11.01 10   016503.00
        LX,$X1,$R                                                    11.02 10   016503.40
        Z,116DP                                                   16562.22 00   016504.00
        SR,$X1,116DP                                              16562.03 70   016504.40
        KV,$X2,116DP                                              16562.04 90   016505.00
        BXE,$+1.32                                                16507.32 C2   016505.40
        SIC,SEN                                                    1310.00 80   016506.00
        B,SERS              -SX, BIT 61, TO INT. MEM. FAILS.       1304.10 00   016506.40
```

```
-
B,$+1,0                                                  16510,10 00          016507,00
BD,I1623                                                 16452,04 00          016507,40
SIC,SEN0+,32                                              1311,40 80          016510,00
B,SSW                 -TO SSIP                            1301,10 00          016510,40
BD,$+,32                                                 16511,44 00          016511,00
                                                                -
LX,$X13,IC216         -UPDATE CONTINUITY CHECK,          16557,32 10          016511,40
V+,$X13,BIT21                                            17353,32 B0          016512,00
SX,$X13,IC216                                            16557,33 10          016512,40
```

```
11624   LX,$X0,BIT62        -CHECK SX, BIT 62, INTO 3 MEMORIES.   17424.00 10   016513.00
        Z,116DMP                                                  16561.22 00   016513.40
        SX,$X0,116DMP                                             16561.01 10   016514.00
        Z,116DP                                                   16562.22 00   016514.40
        LX,$X1,116DMP                                             16561.02 10   016515.00
        LX,$X2,BIT16        -REFILL SHFTD LEFT 46.                17346.04 10   016515.40
        SR,$X1,116DP                                              16562.03 70   016516.00
        KV,$X2,116DP                                              16562.04 90   016516.40
        BXE,$+1.32                                                16520.72 C2   016517.00
        SIC,SEN                                                    1310.00 80   016517.40
        B,SERS              -SX, BIT 62, TO EXT. MEM. FAILS.       1304.10 00   016520.00
        -
        Z,$X3                                                        23.22 00   016520.40
        SX,$X0,$X3                                                   23.01 10   016521.00
        LX,$X1,$X3                                                   23.02 10   016521.40
        Z,116DP                                                   16562.22 00   016522.00
        SR,$X1,116DP                                              16562.03 70   016522.40
        KV,$X2,116DP                                              16562.04 90   016523.00
        BXE,$+1.32                                                16525.32 C2   016523.40
        SIC,SEN                                                    1310.00 80   016524.00
        B,SERS              -SX, BIT 62, TO IX. CORE STG. FAILS.   1304.10 00   016524.40
        -
        Z,$R                                                         11.22 00   016525.00
        SX,$X0,$R                                                    11.01 10   016525.40
        LX,$X1,$R                                                    11.02 10   016526.00
        Z,116DP                                                   16562.22 00   016526.40
        SR,$X1,116DP                                              16562.03 70   016527.00
        KV,$X2,116DP                                              16562.04 90   016527.40
        BXE,$+1.32                                                16531.72 C2   016530.00
        SIC,SEN                                                    1310.00 80   016530.40
        B,SERS              -SX, BIT 62, TO INT. MEM. FAILS.       1304.10 00   016531.00
        -
        LX,$X0,BIT63        -CHECK SX, BIT 63, INTO 3 MEMORIES.   17425.00 10   016531.40
        Z,116DP                                                   16562.22 00   016532.00
        SX,$X0,116DMP                                             16561.01 10   016532.40
        Z,116DP                                                   16562.22 00   016533.00
        LX,$X1,116DMP                                             16561.02 10   016533.40
        LX,$X2,BIT17        -REFILL SHFTD LEFT 46.                17347.04 10   016534.00
        SR,$X1,116DP                                              16562.03 70   016534.40
        KV,$X2,116DP                                              16562.04 90   016535.00
        BXE,$+1.32                                                16537.32 C2   016535.40
        SIC,SEN                                                    1310.00 80   016536.00
        B,SERS              -SX, BIT 63, TO EXT. MEM. FAILS.       1304.10 00   016536.40
        -
        Z,$X3                                                        23.22 00   016537.00
        SX,$X0,$X3                                                   23.01 10   016537.40
        LX,$X1,$X3                                                   23.02 10   016540.00
        Z,116DP                                                   16562.22 00   016540.40
        SR,$X1,116DP                                              16562.03 70   016541.00
        KV,$X2,116DP                                              16562.04 90   016541.40
        BXE,$+1.32                                                16543.72 C2   016542.00
        SIC,SEN                                                    1310.00 80   016542.40
        B,SERS              -SX, BIT 63, TO IX. CORE STG. FAILS.   1304.10 00   016543.00
        -
        Z,$R                                                         11.22 00   016543.40
        SX,$X0,$R                                                    11.01 10   016544.00
        LX,$X1,$R                                                    11.02 10   016544.40
        Z,116DP                                                   16562.22 00   016545.00
        SR,$X1,116DP                                              16562.03 70   016545.40
        KV,$X2,116DP                                              16562.04 90   016546.00
        BXE,$+1.32                                                16550.32 C2   016546.40
        SIC,SEN                                                    1310.00 80   016547.00
        B,SERS              -SX, BIT 63, TO INT. MEM. FAILS.       1304.10 00   016547.40
```

```
                        -
                        B,$+1,0                                                 16551.10 00                     016550.00
                        BD,I1624                                                16513.04 00                     016550.40
                        SIC,SEN0+.32                                             1311.40 80                     016551.00
                        B,SSW           -TO SSIP.                                1301.10 00                     016551.40
                        BD,$+.32                                                16552.44 00                     016552.00
                                                                                        -
                        LX,$X13,IC216   -UPDATE CONTINUITY CHECK.               16557.32 10                     016552.40
                        V+,$X13,BIT22                                           17354.32 B0                     016553.00
                        SX,$X13,IC216                                           16557.33 10                     016553.40
                                                                                        -
                        LX,$X13,IC216   -UPDATE CONTINUITY CHECK.               16557.32 10                     016554.00
                        KV,$X13,ICK216                                          16560.32 90                     016554.40
                        SIC,SEN                                                  1310.00 80                     016555.00
                        BZXE,SERS       -CONTINUITY ERROR.                       1304.32 C0                     016555.40
                        B,I18                                                   16605.10 00                     016556.00
                        CNOP                                                        0.30 00                     016556.40
IC216                   XW,0,0,0        -CONTINUITY REG I216.                       0.00 00 000000.00 00        016557.00
ICK216                  XW,%8¤777777.76,0,0                                 777777.76 00 000000.00 00        016560.00
```

```
I16DMP  NOP
        NOP             -DUMP LOCATIONS.
I16DP   NOP
        NOP
BIT28A  XW,1.0,1,0
BIT29A  XW,2.0,2,0
BIT30A  XW,4.0,4,0
BIT31A  XW,8.0,8,0
BIT32A  XW,16.0,16,0
BIT33A  XW,32.0,32,0
BIT34A  XW,64.0,64,0
BIT35A  XW,128.0,128,0
BIT36A  XW,256.0,256,0
BIT37A  XW,512.0,512,0
BIT38A  XW,1024.0,1024,0
BIT39A  XW,2048.0,2048,0
BIT40A  XW,4096.0,4096,0
BIT41A  XW,8192.0,8192,0
BIT42A  XW,16384.0,16384,0
BIT43A  XW,32768.0,32768,0
BIT44A  XW,65536.0,65536,0
BIT45A  XW,131072.0,131072,0
```

```
        0.30 00                         016561.00
        0.30 00                         016561.40
        0.30 00                         016562.00
        0.30 00                         016562.40
        1.00 00 000020.00 00            016563.00
        2.00 00 000040.00 00            016564.00
        4.00 00 000100.00 00            016565.00
       10.00 00 000200.00 00            016566.00
       20.00 00 000400.00 00            016567.00
       40.00 00 001000.00 00            016570.00
      100.00 00 002000.00 00            016571.00
      200.00 00 004000.00 00            016572.00
      400.00 00 010000.00 00            016573.00
     1000.00 00 020000.00 00            016574.00
     2000.00 00 040000.00 00            016575.00
     4000.00 00 100000.00 00            016576.00
    10000.00 00 200000.00 00            016577.00
    20000.00 00 400000.00 00            016600.00
    40000.00 01 000000.00 00            016601.00
   100000.00 02 000000.00 00            016602.00
   200000.00 04 000000.00 00            016603.00
   400000.00 08 000000.00 00            016604.00
```

```
                    ----1218---LX AND SX,BITS 24-27, 3MEMS.
          -
                    -THIS TEST CHECKS THE LOADING AND STORING OF
                    -INDEX BITS 24-27 FROM AND INTO THE THREE
                    -MEMORIES.  INSTRUCTION MODIFICATION IS USED
                    -TO CHECK BITS 26 AND 27.
                                                                        -
                    -INDEX REGS USED IN THIS AND THEIR MEANING ARE,
          -
                    -IX 0, WORKING REG.
                    -IX 1, WORKING REG.
                    -IX 2 NOT ZERO - LX,SX, EXT MEM FAILED.
                    -IX 3 NOT ZERO - LX INT AND SX EXT MEM FAILED.
                    -IX 4 NOT ZERO- LX IX CORE STG AND SX EXT MEM
                          -FAILED.
                    -IX 5 NOT ZERO - SX TO INT MEM FAILED.
                    -IX 6 NOT ZERO - SX TO IX CORE STG FAILED.
                    -IX 7, WORKING REG.
          -
                                                                        -
118       LX,$X1,1181D        -UPDATE IDENT.                  16610.02 10          016605.00
          SX,$X1,DPET13                                        1437.03 10          016605.40
          SIC,RET                                              1306.40 80          016606.00
          B,1DF1                                               1443.10 00          016606.40
          Z,1C218                                             17247.22 00          016607.00
          BD,1180                                             16611.04 00          016607.40
          CNOP
1181D     %1QSZ¤DD%BU,64,8¤,1218     Z                                             016610.00
```

```
1180    LX,$X0,118K1        -CHECK BIT 24 FRM EXT MEM, LX.      17270.00 10                016611.00
        KV,$X0,BIT23                                            17355.00 90                016611.40
        SIC,SEN                                                  1310.00 80                016612.00
        BZXL,SERS           -LOST BIT 24, LX FRM EXT MEM.        1304.32 40                016612.40
        -
        LX,$X0,BIT23                                            17355.00 10                016613.00
        KV,$X0,118K1                                            17270.00 90                016613.40
        SIC,SEN                                                  1310.00 80                016614.00
        BZXH,SERS           -SPUR BIT 24, LX FRM EXT MEM.        1304.33 40                016614.40
        -
        LX,$X0,118K1        -CHECK BIT 24 FRM IX CORE STG, LX.  17270.00 10                016615.00
        LX,$X1,$X0                                                 20.02 10                016615.40
        KV,$X1,BIT23                                            17355.02 90                016616.00
        SIC,SEN                                                  1310.00 80                016616.40
        BZXL,SERS           -LOST BIT 24, LX FRM IX CORE STG.    1304.32 40                016617.00
        -
        LX,$X2,BIT23                                            17355.04 10                016617.40
        LX,$X1,$X2                                                 22.02 10                016620.00
        KV,$X1,118K1                                            17270.02 90                016620.40
        L%BU¤,118K1                                             17270.00 80 000000.20 50   016621.00
        SIC,SEN                                                  1310.00 80                016622.00
        BZXH,SERS           -SPUR BIT 24, LX FRM IX CORE STG.    1304.33 40                016622.40
        -
        LX,$X0,$R           -CHECK BIT 24, LX FRM INT MEM.         11.00 10                016623.00
        L%BU¤,BIT23                                             17355.00 80 000000.20 50   016623.40
        KV,$X0,BIT23                                            17355.00 90                016624.40
        SIC,SEN                                                  1310.00 80                016625.00
        BZXL,SERS           -LOST BIT 24, LX FRM INT MEM.        1304.32 40                016625.40
        -
        LX,$X1,$R                                                  11.02 10                016626.00
        KV,$X1,118K1                                            17270.02 90                016626.40
        SIC,SEN                                                  1310.00 80                016627.00
        BZXH,SERS           -SPUR BIT 24, LX FRM INT MEM.        1304.33 40                016627.40
        -
```

```
         Z,I18DMP          -CHECK BIT 24 TO EXT MEM, SX.      17251.22 00                  016630.00
         LX,$X0,I18K1                                         17270.00 10                  016630.40
         SX,$X0,I18DMP                                        17251.01 10                  016631.00
         LX,$X0,BIT23                                         17355.00 10                  016631.40
         KV,$X0,I18DMP                                        17251.00 90                  016632.00
         BXH,I181                                             16634.73 42                  016632.40
         SIC,SEN                                               1310.00 80                  016633.00
         B,SERS            -LOST BIT 24 ON SX TO EXT MEM.     1304.10 00                  016633.40
         B,I182            -BYPASS NEXT TEST.                16637.50 00                  016634.00
         -
I181     SX,$X0,I18DMP                                        17251.01 10                  016634.40
         LX,$X0,BIT24                                         17356.00 10                  016635.00
         KV,$X0,I18DMP                                        17251.00 90                  016635.40
         BXL,$+1.32                                           16637.72 42                  016636.00
         SIC,SEN                                               1310.00 80                  016636.40
         B,SERS            -SPUR BIT 24 ON SX TO EXT MEM.     1304.10 00                  016637.00
         -
I182     Z,$R              -CHECK BIT 24 TO INT MEM, SX.        11.22 00                  016637.40
         LX,$X0,I18K1                                         17270.00 10                  016640.00
         SX,$X0,$R                                            11.01 10                  016640.40
         LX,$X0,BIT23                                         17355.00 10                  016641.00
         KV,$X0,$R                                            11.00 90                  016641.40
         BXH,I182A                                            16644.33 42                  016642.00
         SIC,SEN                                               1310.00 80                  016642.40
         B,SERS            -LOST BIT 24 ON SX TO INT MEM.     1304.10 00                  016643.00
         B,I183            -BYPASS NEXT TEST.                16650.10 00                  016643.40
         -
I182A    L%BU¤,BIT24                                          17356.00 80 000000.20 50     016644.00
         SX,$X0,$R                                            11.01 10                  016645.00
         LX,$X0,BIT24                                         17356.00 10                  016645.40
         KV,$X0,$R                                            11.00 90                  016646.00
         BXL,$+1.32                                           16650.32 42                  016646.40
         SIC,SEN                                               1310.00 80                  016647.00
         B,SERS            -SPUR BIT 24 ON SX TO INT MEM.     1304.10 00                  016647.40
         -
I183     Z,$X1             -CHECK BIT 24 TO IX CORE STG, SX.    21.22 00                  016650.00
         LX,$X0,I18K1                                         17270.00 10                  016650.40
         SX,$X0,$X1                                           21.01 10                  016651.00
         LX,$X0,BIT23                                         17355.00 10                  016651.40
         KV,$X0,$X1                                           21.00 90                  016652.00
         BXH,I184                                             16654.73 42                  016652.40
         SIC,SEN                                               1310.00 80                  016653.00
         B,SERS            -LOST BIT 24 ON SX TO IX CORE STG. 1304.10 00                  016653.40
         B,I185            -BYPASS NEXT TEST.                16660.10 00                  016654.00
```

```
I184    LX,$X1,BIT24                                    17356.02 10    016654.40
        SX,$X0,$X1                                        21.01 10    016655.00
        LX,$X0,BIT24                                    17356.00 10    016655.40
        KV,$X0,$X1                                        21.00 90    016656.00
        BXL,$+1.32                                      16660.32 42    016656.40
        SIC,SEN                                          1310.00 80    016657.00
        B,SERS          -SPUR BIT 24 ON SX TO IX CORE STG. 1304.10 00  016657.40
        -
I185    B,$+1.0                                         16661.10 00    016660.00
        BD,I180                                         16611.04 00    016660.40
        SIC,SEN0+.32                                     1311.40 80    016661.00
        B,SSW           -TO SSIP.                        1301.10 00    016661.40
        BD,$+.32                                        16662.44 00    016662.00
        -
        LX,$X13,IC218   -UPDATE CONTINUITY CHECK.       17247.32 10    016662.40
        V+,$X13,BIT0                                    17326.32 B0    016663.00
        SX,$X13,IC218                                   17247.33 10    016663.40
        -
I185A   LX,$X0,BIT38    -CHECK BIT 25 FROM EXT MEM, LX, 17374.00 10    016664.00
        SX,$X0,$IND     -AND TO EXT MEM, SX.              13.01 10    016664.40
        BXF,$+1.0                                       16666.23 42    016665.00
        B,I1824                                         16746.10 00    016665.40
        Z,$IND                                            13.22 00    016666.00
        BXF,I1824                                       16746.23 42    016666.40
        SX,$X0,$IND                                       13.01 10    016667.00
        LX,$X0,100Z                                     17306.00 10    016667.40
        BXF,I1824                                       16746.23 42    016670.00
I186    LX,$X0,BIT25                                    17357.00 10    016670.40
        BXF,I187                                        16673.23 42    016671.00
        SIC,SEN                                          1310.00 80    016671.40
        B,SERS          -LOST BIT 25 ON LX FROM EXT. MEM. 1304.10 00   016672.00
        B,I1812         -BYPASS REST OF TEST.           16706.50 00    016672.40
        -
I187    Z,$IND                                            13.22 00    016673.00
        Z,I18DMP                                        17251.22 00    016673.40
        SX,$X0,I18DMP                                   17251.01 10    016674.00
        LX,$X0,I18DMP                                   17251.00 10    016674.40
        BXF,I189                                        16677.23 42    016675.00
        SIC,SEN                                          1310.00 80    016675.40
        B,SERS          -LOST BIT 25 ON SX TO EXT MEM.   1304.10 00    016676.00
        B,I1812         -BYPASS REST OF TEST.           16706.50 00    016676.40
        -
I189    Z,$IND                                            13.22 00    016677.00
        LX,$X0,100Z                                     17306.00 10    016677.40
        BXF,$+1.0                                       16701.23 42    016700.00
        B,I1810                                         16702.50 00    016700.40
        SIC,SEN                                          1310.00 80    016701.00
        B,SERS          -SPUR BIT 25 ON LX FRM EXT MEM. 1304.10 00     016701.40
        B,I1812         -BYPASS REST OF TEST.           16706.50 00    016702.00
        -
I1810   Z,$IND                                            13.22 00    016702.40
        Z,I18DMP                                        17251.22 00    016703.00
        SX,$X0,I18DMP                                   17251.01 10    016703.40
        LX,$X0,I18DMP                                   17251.00 10    016704.00
        BXF,$+1.0                                       16705.63 42    016704.40
        B,I1812                                         16706.50 00    016705.00
        SIC,SEN                                          1310.00 80    016705.40
        B,SERS          -SPUR BIT 25 ON SX TO EXT MEM.   1304.10 00    016706.00
```

```
 11812  Z,$IND                 -CHECK BIT 25 FROM INT MEM, LX,      13.22 00                    016706.40
        L%BU¤,BIT25             -AND TO INT MEM, SX.              17357.00 80 000000.20 50    016707.00
        LX,$X0,$R                                                    11.00 10                016710.00
        BXF,I1813                                                 16712.63 42                016710.40
        SIC,SEN                                                    1310.00 80                016711.00
        B,SERS                 -LOST BIT 25 ON LX FROM INT MEM.    1304.10 00                016711.40
        B,I1818                -BYPASS REST OF TEST.              16726.10 00                016712.00
        -
 11813  Z,$IND                                                      13.22 00                016712.40
        Z,$R                                                        11.22 00                016713.00
        SX,$X0,$R                                                   11.01 10                016713.40
        LX,$X0,$R                                                   11.00 10                016714.00
        BXF,I1815                                                 16716.63 42                016714.40
        SIC,SEN                                                    1310.00 80                016715.00
        B,SERS                 -LOST BIT 25 ON SX TO INT MEM.      1304.10 00                016715.40
        B,I1818                -BYPASS REST OF TEST.              16726.10 00                016716.00
        -
 11815  Z,$IND                                                      13.22 00                016716.40
        Z,$R                                                        11.22 00                016717.00
        LX,$X0,$R                                                   11.00 10                016717.40
        BXF,$+1.0                                                 16721.23 42               016720.00
        B,I1816                                                   16722.50 00               016720.40
        SIC,SEN                                                    1310.00 80               016721.00
        B,SERS                 -SPUR BIT 25 ON LX FRM INT MEM.     1304.10 00               016721.40
        B,I1818                -BYPASS REST OF TEST.              16726.10 00               016722.00
        -
 11816  Z,$IND                                                      13.22 00                016722.40
        SX,$X0,$R                                                   11.01 10                016723.00
        LX,$X0,$R                                                   11.00 10                016723.40
        BXF,$+1.0                                                 16725.23 42               016724.00
        B,I1818                                                   16726.10 00               016724.40
        SIC,SEN                                                    1310.00 80               016725.00
        B,SERS                 -SPUR BIT 25 ON SX TO INT MEM.      1304.10 00               016725.40
        -
 11818  LX,$X1,BIT25           -CHECK BIT 25 FROM IX CORE STG, LX, 17357.02 10               016726.00
        Z,$IND                  -AND TO IX CORE STG,SX.             13.22 00                016726.40
        LX,$X0,$X1                                                  21.00 10                016727.00
        BXF,I1819                                                 16731.63 42                016727.40
        SIC,SEN                                                    1310.00 80               016730.00
        B,SERS                 -LOST BIT 25 ON LX FRM IX CORE STG. 1304.10 00               016730.40
        B,I1825                -BYPASS REST OF TEST.              16747.10 00               016731.00
```

```
I1819   Z,$X1                                                  21.22 00    016731.40
        Z,$IND                                                 13.22 00    016732.00
        SX,$X0,$X1                                             21.01 10    016732.40
        LX,$X0,$X1                                             21.00 10    016733.00
        BXF,I1821                                           16735.63 42    016733.40
        SIC,SEN                                              1310.00 80    016734.00
        B,SERS          -LOST BIT 25 ON SX TO IX CORE STG.   1304.10 00    016734.40
        B,I1825         -BYPASS REST OF TEST.                16747.10 00    016735.00
        -
I1821   Z,$IND                                                 13.22 00    016735.40
        Z,$X1                                                  21.22 00    016736.00
        LX,$X0,$X1                                             21.00 10    016736.40
        BXF,$+1.0                                           16740.23 42    016737.00
        B,I1822                                             16741.50 00    016737.40
        SIC,SEN                                              1310.00 80    016740.00
        B,SERS          -SPUR BIT 25 ON LX FROM IX CORE STG. 1304.10 00    016740.40
        B,I1825         -BYPASS REST OF TEST.                16747.10 00    016741.00
        -
I1822   Z,$X1                                                  21.22 00    016741.40
        Z,$IND                                                 13.22 00    016742.00
        SX,$X0,$X1                                             21.01 10    016742.40
        LX,$X0,$X1                                             21.00 10    016743.00
        BXF,$+1.0                                           16744.63 42    016743.40
        B,I1825                                             16747.10 00    016744.00
        SIC,SEN                                              1310.00 80    016744.40
        B,SERS          -SPUR BIT 25 ON SX TO IX CORE STG.   1304.10 00    016745.00
        B,I1825                                             16747.10 00    016745.40
        -
I1824   SIC,SEN         -UNABLE TO SET OR CLR XF INDIC.      1310.00 80    016746.00
        B,SERS          -NO BIT 25 TESTS MADE.               1304.10 00    016746.40
        -
I1825   B,$+1.0                                             16750.10 00    016747.00
        BD,I185A                                            16664.04 00    016747.40
        SIC,SEN0+.32                                         1311.40 80    016750.00
        B,SSW           -TO SSIP                             1301.10 00    016750.40
        BD,$+.32                                            16751.44 00    016751.00
                                                                -
        LX,$X13,IC218   -UPDATE CONTINUITY CHECK.           17247.32 10    016751.40
        V+,$X13,BIT1                                        17327.32 B0    016752.00
        SX,$X13,IC218                                       17247.33 10    016752.40
```

```
                I1826   Z,$X0           -CHECK BITS 26 AND 27 FRM EXT MEM,LX,      20.22 00                    016753.00
                        LX,$X1,I18W1    -AND TO EXT MEM, SX.                   17252.02 10                    016753.40
                        SX,$X1,I1827                                           16755.03 10                    016754.00
                        Z,$X2                                                     22.22 00                    016754.40
                        CNOP
                I1827   NOP                                                        0.30 00                    016755.00
                        NOP                                                        0.30 00                    016755.40
                        B,I1829         -27 NOT LOST.                          16761.10 00                    016756.00
                        CNOP                                                       0.30 00                    016756.40
                I1828   BD,$+.32                                               16757.44 00                    016757.00
                        LX,$X2,1000     -IX 2 NOT ZERO TO IND. ERROR.          17307.04 10                    016757.40
                        SIC,SEN         -LX BIT 27 FROM EXT MEM LOST OR         1310.00 80                    016760.00
                        B,SERS          -SX BIT 27 TO EXT MEM LOST.             1304.10 00                    016760.40
                        -
                I1829   Z,$X3                                                     23.22 00                    016761.00
                        Z,$X0                                                     20.22 00                    016761.40
                        L%BU¤,I18W2                                            17253.00 80 000000.20 50       016762.00
                        LX,$X1,$R                                                 11.02 10                    016763.00
                        SX,$X1,I1830                                           16765.03 10                    016763.40
                        NOP                                                        0.30 00                    016764.00
                        CNOP                                                       0.30 00                    016764.40
                I1830   NOP                                                        0.30 00                    016765.00
                        NOP                                                        0.30 00                    016765.40
                        B,I1832         -27 NOT LOST                           16771.10 00                    016766.00
                        CNOP                                                       0.30 00                    016766.40
                I1831   BD,$+.32                                               16767.44 00                    016767.00
                        LX,$X3,1000     -IX 3 NOT ZERO TO INDICATE ERROR.      17307.06 10                    016767.40
                        SIC,SEN         -LX BIT 27 FROM INT MEM LOST OR         1310.00 80                    016770.00
                        B,SERS          -SX BIT 27 TO EXT MEM LOST.             1304.10 00                    016770.40
                        -
                I1832   L%BU¤,$X2                                                 22.00 80 000000.20 50       016771.00
                        BRZ,I1833                                              16774.74 C2                    016772.00
                        L%BU¤,$X3                                                 23.00 80 000000.20 50       016772.40
                        BRZ,I1834                                              16775.74 C2                    016773.40
                        B,I1848         -CANT GET BIT 27 INTO IX REG,MUST      17036.10 00                    016774.00
                                        -CONCLUDE TEST.
                I1833   LX,$X7,I18W3                                           17254.16 10                    016774.40
                        B,I1835                                                16777.10 00                    016775.00
                I1834   L%BU¤,I18W3                                            17254.00 80 000000.20 50       016775.40
                        LX,$X7,$R                                                 11.16 10                    016776.40
                I1835   Z,$X0                                                     20.22 00                    016777.00
                        Z,$X4                                                     24.22 00                    016777.40
                        LX,$X1,$X7                                                27.02 10                    017000.00
                        SX,$X1,I1836                                           17002.03 10                    017000.40
                        NOP                                                        0.30 00                    017001.00
                        NOP                                                        0.30 00                    017001.40
                        CNOP
                I1836   NOP                                                        0.30 00                    017002.00
                        NOP                                                        0.30 00                    017002.40
                        B,I1838                                                17006.10 00                    017003.00
                        CNOP                                                       0.30 00                    017003.40
                I1837   BD,$+.32                                               17004.44 00                    017004.00
                        LX,$X4,1000     -IX4 TO INDICATE ERROR.                17307.10 10                    017004.40
                        SIC,SEN         -LX BIT 27 FROM IX CORE STG LOST OR     1310.00 80                    017005.00
                        B,SERS          -SX BIT 27 TO EXT MEM LOST.             1304.10 00                    017005.40
                        -
                I1838   L%BU¤,$X3                                                 23.00 80 000000.20 50       017006.00
                        BRZ,I1840                                              17010.34 C2                    017007.00
                        B,I1844         -CANT LX BIT 27 FRM INT MEM,TERMINATE. 17023.10 00                    017007.40
```

```
 I1840  L%BU¤,I18W4                                  17255.00 80 000000.20 50      017010.00
        LX,$X1,$R                                      11.02 10                  017011.00
        Z,$X5                                          25.22 00                  017011.40
 I1841  Z,$X0                                          20.22 00                  017012.00
        Z,$R                                           11.22 00                  017012.40
        SX,$X1,$R                                      11.03 10                  017013.00
        NOP                                             0.30 00                  017013.40
        NOP                                             0.30 00                  017014.00
        LX,$X1,$R                                      11.02 10                  017014.40
        SX,$X1,I1842                                17017.03 10                  017015.00
        NOP                                             0.30 00                  017015.40
        NOP                                             0.30 00                  017016.00
        CNOP                                            0.30 00                  017016.40
 I1842  NOP                                             0.30 00                  017017.00
        NOP                                             0.30 00                  017017.40
        B,I1844          -27 NOT LOST                17023.10 00                  017020.00
        CNOP                                            0.30 00                  017020.40
 I1843  BD,$+.32                                     17021.44 00                  017021.00
        LX,$X5,1000      -IX 5 TO INDICATE ERROR.   17307.12 10                  017021.40
        SIC,SEN          -SX BIT 27 TO INT MEM LOST.  1310.00 80                  017022.00
        B,SERS                                       1304.10 00                  017022.40
        -
 I1844  L%BU¤,$X4                                      24.00 80 000000.20 50      017023.00
        BRZ,I1845                                   17025.34 C2                  017024.00
        B,I1848          -CANT LX FROM IX CORE STG,TERMINATE 17036.10 00          017024.40
        -
 I1845  LX,$X1,I18W5                                17256.02 10                  017025.00
        Z,$X6                                          26.22 00                  017025.40
        Z,$X0                                          20.22 00                  017026.00
        Z,$X7                                          27.22 00                  017026.40
        SX,$X1,$X7                                     27.03 10                  017027.00
        NOP                                             0.30 00                  017027.40
        NOP                                             0.30 00                  017030.00
        SX,$X7,I1846                                17032.17 10                  017030.40
        NOP                                             0.30 00                  017031.00
        NOP                                             0.30 00                  017031.40
        CNOP
 I1846  NOP                                             0.30 00                  017032.00
        NOP                                             0.30 00                  017032.40
        B,I1848          -27 NOT LOST.              17036.10 00                  017033.00
        -
        CNOP                                            0.30 00                  017033.40
 I1847  BD,$+.32                                     17034.44 00                  017034.00
        LX,$X6,1000      -IX 6 TO INDICATE ERROR.   17307.14 10                  017034.40
        SIC,SEN                                      1310.00 80                  017035.00
        B,SERS           -SX BIT 27 TO IX CORE STG LOST 1304.10 00               017035.40
        -
 I1848  B,$+1.0                                     17037.10 00                  017036.00
        BD,I1826                                    16753.04 00                  017036.40
        SIC,SEN0+.32                                 1311.40 80                  017037.00
        B,SSW            -TO SSIP.                   1301.10 00                  017037.40
        BD,$+.32                                    17040.44 00                  017040.00
        -
        LX,$X13,IC218    -UPDATE CONTINUITY CHECK.  17247.32 10                  017040.40
        V+,$X13,BIT2                                17330.32 B0                  017041.00
        SX,$X13,IC218                               17247.33 10                  017041.40
        -
```

```
11848A  LX,$X1,118W6     -START CHECK FOR BIT 27 SPUR, AND      17257.02 10                    017042.00
        Z,$X0            -BIT 26 LOST.                            20.22 00                 017042.40
        Z,$R                                                      11.22 00                 017043.00
        SX,$X1,11849                                           17045.03 10                 017043.40
        Z,$X2                                                     22.22 00                 017044.00
        NOP                                                        0.30 00                 017044.40
        CNOP
11849   NOP                                                        0.30 00                 017045.00
        NOP                                                        0.30 00                 017045.40
        B,11851                                                17051.10 00                 017046.00
        -
        CNOP                                                       0.30 00                 017046.40
11850   BD,$+.32         -IF GET HERE, 26 LOST, 27 OK.         17047.44 00                  017047.00
        SIC,SEN          -LX BIT 26 FRM EXT MEM LOST OR         1310.00 80                  017047.40
        B,SERS           -SX BIT 26 TO EXT MEM LOST.            1304.10 00                  017050.00
        B,11853                                                17055.50 00                 017050.40
        -
11851   LX,$X0,$X0                                                20.00 10                 017051.00
        BXCZ,11852                                             17053.70 42                 017051.40
        SIC,SEN          -LX, EXT MEM, BIT 26 LOST AND 27 SPUR OR 1310.00 80                017052.00
        B,SERS           -SX, EXT MEM, BIT 26 LOST AND 27 SPUR. 1304.10 00                  017052.40
        B,11853                                                17055.50 00                 017053.00
        -
11852   BXVZ,11854       -ALL OK                               17056.31 42                  017053.40
        SIC,SEN          -LX BIT 27 FRM EXT MEM SPUR OR         1310.00 80                  017054.00
        B,SERS           -SX BIT 27 TO EXT MEM SPUR.            1304.10 00                  017054.40
        B,11854                                                17056.10 00                 017055.00
        -
11853   LX,$X2,1000      -LX 2 TO INDICATE 26 LOST.            17307.04 10                  017055.40
11854   L%BU¤,118W7                                            17260.00 80 000000.20 50     017056.00
        LX,$X1,$R                                                 11.02 10                 017057.00
        Z,$X0                                                     20.22 00                 017057.40
        Z,$R                                                      11.22 00                 017060.00
        SX,$X1,11855                                           17062.03 10                 017060.40
        Z,$X3                                                     23.22 00                 017061.00
        NOP                                                        0.30 00                 017061.40
        CNOP
11855   NOP +                                    017064.0020       0.30 00                 017062.00
        NOP                                                        0.30 00                 017062.40
        B,11857                                                17066.10 00                 017063.00
        -
        CNOP                                                       0.30 00                 017063.40
11856   BD,$+.32         -IF GET HERE, 26 LOST, 27 OK.         17064.44 00                  017064.00
        SIC,SEN          -LX BIT 26 FRM INT MEM LOST OR         1310.00 80                  017064.40
        B,SERS           -SX BIT 26 TO EXT MEM LOST.            1304.10 00                  017065.00
        B,11859                                                17072.50 00                 017065.40
        -
11857   LX,$X0,$X0                                                20.00 10                 017066.00
        BXCZ,11858                                             17070.70 42                 017066.40
        SIC,SEN          -LX, INT MEM, BIT 26 LOST AND 27 SPUR OR 1310.00 80                017067.00
        B,SERS           -SX, EXT MEM, BIT 26 LOST AND 27 SPUR. 1304.10 00                  017067.40
        -
        B,11859                                                17072.50 00                 017070.00
11858   BXVZ,11860       -ALL OK                               17075.31 42                  017070.40
        -
        SIC,SEN          -LX BIT 27 FRM INT MEM SPUR OR         1310.00 80                  017071.00
        B,SERS           -SX BIT 27 TO EXT MEM SPUR.            1304.10 00                  017071.40
        B,11860                                                17075.10 00                 017072.00
        -
11859   LX,$X3,1000      -LX 3 TO INDICATE 26 LOST.            17307.06 10                  017072.40
        L%BU¤,$X2                                                 22.00 80 000000.20 50     017073.00
        BRZ,11861                                              17077.34 C2                 017074.00
        B,11873          -CANT DO IX CORE STG OR INT MEM TEST. 17135.10 00                  017074.40
```

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 I1860   L%BU¤,I18W8                                  17261.00 80 000000.20 50    017075.00
         LX,$X1,$R                                     11.02 10                 017076.00
         B,I1862                                    17077.50 00                 017076.40
 I1861   LX,$X1,I18W8                               17261.02 10                 017077.00
 I1862   Z,$X0                                         20.22 00                 017077.40
         Z,$R                                          11.22 00                 017100.00
         SX,$X1,$X7                                    27.03 10                 017100.40
         NOP                                            0.30 00                 017101.00
         NOP                                            0.30 00                 017101.40
         SX,$X7,I1863                               17104.17 10                 017102.00
         NOP                                            0.30 00                 017102.40
         NOP                                            0.30 00                 017103.00
         CNOP                                           0.30 00                 017103.40
 I1863   NOP                                            0.30 00                 017104.00
         NOP                                            0.30 00                 017104.40
         B,I1865                                    17110.10 00                 017105.00
         -
         CNOP                                           0.30 00                 017105.40
 I1864   BD,$+.32        -IF GET HERE, 26 LOST, 27 OK.  17106.44 00                 017106.00
         SIC,SEN                                     1310.00 80                 017106.40
         B,SERS          -SX BIT 26 TO IX CORE STG LOST. 1304.10 00             017107.00
         B,I1867                                    17114.10 00                 017107.40
         -
 I1865   LX,$X0,$X0                                    20.00 10                 017110.00
         BXCZ,I1866                                 17112.70 42                 017110.40
         SIC,SEN         -SX TO IX CORE STG BIT 26      1310.00 80              017111.00
         B,SERS          -LOST AND BIT 27 SPUR.      1304.10 00                 017111.40
         B,I1867                                    17114.10 00                 017112.00
         -
 I1866   BXVZ,I1867      -ALL OK                    17114.31 42                 017112.40
         SIC,SEN                                     1310.00 80                 017113.00
         B,SERS          -SX TO IX CORE STG, BIT 27 SPUR. 1304.10 00            017113.40
         -
 I1867   L%BU¤,$X3                                     23.00 80 000000.20 50    017114.00
         BRZ,I1868                                  17116.34 C2                 017115.00
         B,I1873         -TERMINATE                 17135.10 00                 017115.40
         -
 I1868   Z,$X0                                         20.22 00                 017116.00
         LX,$X1,I18W9                               17262.02 10                 017116.40
         Z,$R                                          11.22 00                 017117.00
         SX,$X1,$R                                     11.03 10                 017117.40
         NOP                                            0.30 00                 017120.00
         NOP                                            0.30 00                 017120.40
         Z,$X1                                         21.22 00                 017121.00
         NOP                                            0.30 00                 017121.40
         LX,$X1,$R                                     11.02 10                 017122.00
         NOP                                            0.30 00                 017122.40
         SX,$X1,I1869                               17125.03 10                 017123.00
         NOP                                            0.30 00                 017123.40
         NOP                                            0.30 00                 017124.00
         CNOP                                           0.30 00                 017124.40
 I1869   NOP                                            0.30 00                 017125.00
         NOP                                            0.30 00                 017125.40
         B,I1871                                    17131.10 00                 017126.00
         -
         CNOP                                           0.30 00                 017126.40
 I1870   BD,$+.32        -IF GET HERE, 26 LOST, 27 OK.  17127.44 00                 017127.00
         SIC,SEN                                     1310.00 80                 017127.40
         B,SERS          -SX TO INT MEM, BIT 26 LOST.   1304.10 00              017130.00
         B,I1873                                    17135.10 00                 017130.40
         -
 I1871   LX,$X0,$X0                                    20.00 10                 017131.00
         BXCZ,I1872                                 17133.70 42                 017131.40
         SIC,SEN         -SX TO INT MEM, BIT 26         1310.00 80              017132.00
```

```
                B,SERS          -LOST AND BIT 27 SPUR.      1304.10 00      017132.40
                B,11873                                     17135.10 00     017133.00
                -
11872           BXVZ,11873      -ALL OK                     17135.31 42     017133.40
                SIC,SEN                                     1310.00 80      017134.00
                B,SERS          -SX TO INT MEM, BIT 27 SPUR. 1304.10 00     017134.40
```

```
|1873   Z,$X0                  -START TEST OF 26 SPUR                 20.22 00                  017135.00
        LX,$X1,|18W10                                              17263.02 10                  017135.40
        NOP                                                            0.30 00                  017136.00
        SX,$X1,|1874                                               17140.03 10                  017136.40
        NOP                                                            0.30 00                  017137.00
        CNOP                                                           0.30 00                  017137.40
|1874   NOP                                                            0.30 00                  017140.00
        NOP                                                            0.30 00                  017140.40
        B,|1876                                                    17144.10 00                  017141.00
        -
        CNOP                                                           0.30 00                  017141.40
|1875   BD,$+.32               -IF GET HERE, 27 LOST, 26 OK.      17142.44 00                  017142.00
        SIC,SEN                -LX BIT 27 FRM EXT MEM OR           1310.00 80                  017142.40
        B,SERS                 -SX BIT 27 TO EXT MEM LOST.         1304.10 00                  017143.00
        B,|1879                                                    17150.50 00                  017143.40
        -
|1876   LX,$X0,$X0                                                   20.00 10                  017144.00
        BXVZ,|1877             -26 SPUR, 27 LOST.                  17146.31 42                  017144.40
        BXCZ,|1878             -26 SPUR.                           17147.70 42                  017145.00
        B,|1879                -ALL OK.                            17150.50 00                  017145.40
        -
|1877   SIC,SEN                -LX EXT MEM, BIT 26 SPUR, 27 LOST OR  1310.00 80                  017146.00
        B,SERS                 -SX EXT MEM, BIT 26 SPUR, 27 LOST.  1304.10 00                  017146.40
        B,|1879                                                    17150.50 00                  017147.00
        -
|1878   SIC,SEN                -LX EXT MEM BIT 26 SPUR OR          1310.00 80                  017147.40
        B,SERS                 -SX EXT MEM BIT 26 SPUR.            1304.10 00                  017150.00
        -
|1879   L%BU¤,|18W11                                              17264.00 80 000000.20 50     017150.40
        LX,$X1,$R                                                     11.02 10                  017151.40
        Z,$X0                                                         20.22 00                  017152.00
        SX,$X1,|1880                                               17154.03 10                  017152.40
        NOP                                                            0.30 00                  017153.00
        NOP                                                            0.30 00                  017153.40
        CNOP
|1880   NOP                                                            0.30 00                  017154.00
        NOP                                                            0.30 00                  017154.40
        B,|1882                                                    17160.10 00                  017155.00
        -
        CNOP                                                           0.30 00                  017155.40
|1881   BD,$+.32               -IF GET HERE, 27 LOST, 26 OK.      17156.44 00                  017156.00
        SIC,SEN                -LX BIT 27 FRM INT MEM OR           1310.00 80                  017156.40
        B,SERS                 -SX BIT 27 TO EXT MEM LOST.         1304.10 00                  017157.00
        B,|1885                                                    17164.50 00                  017157.40
        -
|1882   LX,$X0,$X0                                                   20.00 10                  017160.00
        BXVZ,|1883             -26 SPUR, 27 LOST.                  17162.31 42                  017160.40
        BXCZ,|1884             -26 SPUR.                           17163.70 42                  017161.00
        B,|1885                -ALL OK.                            17164.50 00                  017161.40
        -
|1883   SIC,SEN                -LX INT MEM BIT 26 SPUR, 27 LOST OR   1310.00 80                  017162.00
        B,SERS                 -SX EXT MEM BIT 26 SPUR, 27 LOST.   1304.10 00                  017162.40
        B,|1885                                                    17164.50 00                  017163.00
        -
|1884   SIC,SEN                -LX INT MEM BIT 26 SPUR OR          1310.00 80                  017163.40
        B,SERS                 -SX EXT MEM BIT 26 SPUR.            1304.10 00                  017164.00
        -
|1885   Z,$X0                                                         20.22 00                  017164.40
        Z,$X1                                                         21.22 00                  017165.00
        Z,$X7                                                         27.22 00                  017165.40
        LX,$X7,|18W12                                              17265.16 10                  017166.00
        NOP                                                            0.30 00                  017166.40
        LX,$X1,$X7                                                    27.02 10                  017167.00
```

```
                NOP                                  0.30  00          017167.40
                SX,$X1,!1886                     17172.03  10          017170.00
                NOP                                  0.30  00          017170.40
                NOP                                  0.30  00          017171.00
                CNOP                                 0.30  00          017171.40
!1886           NOP                                  0.30  00          017172.00
                NOP                                  0.30  00          017172.40
                B,!1888                          17176.10  00          017173.00
```

```
         CNOP                                                    0,30 00          017173,40
I1887    BD,$+,32          -IF GET HERE, 27 LOST, 26 OK.      17174,44 00          017174,00
         SIC,SEN           -LX BIT 27 FRM IX CORE STG OR       1310,00 80          017174,40
         B,SERS            -SX BIT 27 TO EXT MEM LOST.         1304,10 00          017175,00
         B,I1891                                              17202,50 00          017175,40
         -
I1888    LX,$X0,$X0                                             20,00 10          017176,00
         BXVZ,I1889        -26 SPUR, 27 LOST.                 17200,31 42          017176,40
         BXCZ,I1890        -26 SPUR.                          17201,70 42          017177,00
         B,I1891           -ALL OK.                           17202,50 00          017177,40
         -
I1889    SIC,SEN           -LX IX CORE STG, BIT 26 SPUR AND 27 LOST O  1310,00 80          017200,00
         B,SERS            -SX EXT MEM, BIT 26 SPUR AND 27 LOST.       1304,10 00          017200,40
         B,I1891                                              17202,50 00          017201,00
         -
I1890    SIC,SEN           -LX IX CORE STG BIT 26 SPUR OR      1310,00 80          017201,40
         B,SERS            -SX EXT MEM, BIT 26 SPUR.           1304,10 00          017202,00
         -
I1891    Z,$X0                                                  20,22 00          017202,40
         LX,$X1,I18W13                                        17266,02 10          017203,00
         Z,$R                                                   11,22 00          017203,40
         NOP                                                     0,30 00          017204,00
         SX,$X1,$R                                              11,03 10          017204,40
         Z,$X1                                                  21,22 00          017205,00
         NOP                                                     0,30 00          017205,40
         LX,$X1,$R                                              11,02 10          017206,00
         NOP                                                     0,30 00          017206,40
         SX,$X1,I1892                                         17211,03 10          017207,00
         NOP                                                     0,30 00          017207,40
         NOP                                                     0,30 00          017210,00
         CNOP                                                    0,30 00          017210,40
I1892    NOP                                                     0,30 00          017211,00
         NOP                                                     0,30 00          017211,40
         B,I1894                                              17215,10 00          017212,00
         -
         CNOP                                                    0,30 00          017212,40
I1893    BD,$+,32          -IF GET HERE, 27 LOST, 26 OK.      17213,44 00          017213,00
         SIC,SEN                                             1310,00 80          017213,40
         B,SERS            -SX TO INT MEM, BIT 27 LOST.        1304,10 00          017214,00
         B,I1897                                              17221,50 00          017214,40
         -
I1894    LX,$X0,$X0                                             20,00 10          017215,00
         BXVZ,I1895        -26 SPUR, 27 LOST.                 17217,31 42          017215,40
         BXCZ,I1896        -26 SPUR.                          17220,70 42          017216,00
         B,I1897           -ALL OK.                           17221,50 00          017216,40
         -
I1895    SIC,SEN                                             1310,00 80          017217,00
         B,SERS            -SX TO INT MEM, 26 SPUR, 27 LOST.   1304,10 00          017217,40
         B,I1897                                              17221,50 00          017220,00
         -
I1896    SIC,SEN                                             1310,00 80          017220,40
         B,SERS            -SX TO INT MEM, BIT 26 LOST.        1304,10 00          017221,00
         -
I1897    Z,$X0                                                  20,22 00          017221,40
         Z,$X1                                                  21,22 00          017222,00
         Z,$X7                                                  27,22 00          017222,40
         LX,$X7,I18W14                                        17267,16 10          017223,00
         NOP                                                     0,30 00          017223,40
         NOP                                                     0,30 00          017224,00
         SX,$X7,$X1                                             21,17 10          017224,40
         NOP                                                     0,30 00          017225,00
         NOP                                                     0,30 00          017225,40
         SX,$X1,I1898                                         17230,03 10          017226,00
```

```
                NOP                                  0.30  00          017226.40
                NOP                                  0.30  00          017227.00
                CNOP                                 0.30  00          017227.40
 11898          NOP                                  0.30  00          017230.00
                NOP                                  0.30  00          017230.40
                B,118100                         17234.10  00          017231.00
```

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                CNOP                                                                0.30 00          017231.40
I1899           BD,$+.32        -IF GET HERE, 27 LOST, 26 OK.                   17232.44 00          017232.00
                SIC,SEN                                                          1310.00 80          017232.40
                B,SERS          -SX TO IX CORE STG, 27 LOST, 26 OK.             1304.10 00          017233.00
                B,I18103                                                        17240.50 00          017233.40
                -
I18100          LX,$X0,$X0                                                          20.00 10          017234.00
                BXVZ,I18101     -26 SPUR, 27 LOST.                              17236.31 42          017234.40
                BXCZ,I18102     -26 SPUR.                                       17237.70 42          017235.00
                B,I18103        -ALL OK.                                        17240.50 00          017235.40
                -
I18101          SIC,SEN                                                          1310.00 80          017236.00
                B,SERS          -SX TO IX CORE STG, 26 SPUR, 27 LOST.           1304.10 00          017236.40
                B,I18103                                                        17240.50 00          017237.00
                -
I18102          SIC,SEN                                                          1310.00 80          017237.40
                B,SERS          -SX TO IX CORE SIG, BIT 26 SPUR.                1304.10 00          017240.00
                -
I18103          B,$+1.0                                                         17241.50 00          017240.40
                BD,I1848A                                                       17042.04 00          017241.00
                SIC,SEN0+.32                                                     1311.40 80          017241.40
                B,SSW           -TO SSIP.                                       1301.10 00          017242.00
                BD,$+.32                                                        17243.04 00          017242.40
                                                                                    -
                LX,$X13,IC218   -UPDATE CONTINUITY CHECK.                       17247.32 10          017243.00
                V+,$X13,BIT3                                                    17331.32 B0          017243.40
                SX,$X13,IC218                                                   17247.33 10          017244.00
                                                                                    -
                LX,$X13,IC218   -UPDATE CONTINUITY CHECK.                       17247.32 10          017244.40
                KV,$X13,ICK218                                                  17250.32 90          017245.00
                SIC,SEN                                                          1310.00 80          017245.40
                BZXE,SERS       -CONTINUITY ERROR.                               1304.32 C0          017246.00
                B,I20                                                           17271.10 00          017246.40
                                                                                    -
                CNOP
IC218           XW,0,0,0        -CONTINUITY REG I218.                                0.00 00 000000.00 00 017247.00
ICK218          XW,%8¤740000.00,0,0                                        740000.00 00 000000.00 00 017250.00
```

```
                CNOP                -CONSTANTS FOR I218.
I18DMP          XW,0,0,0            -DUMP LOCN.                    0.00 00 000000.00 00      017251.00
I18W1           LX,$X0,I1828        -TEST WD.                  16757.00 10                   017252.00
                NOP                                                0.30 00                   017252.40
I18W2           LX,$X0,I1831        -TEST WD.                  16767.00 10                   017253.00
                NOP                                                0.30 00                   017253.40
I18W3           LX,$X0,I1837        -TEST WD.                  17004.00 10                   017254.00
                NOP                                                0.30 00                   017254.40
I18W4           LX,$X0,I1843        -TEST WD.                  17021.00 10                   017255.00
                NOP                                                0.30 00                   017255.40
I18W5           LX,$X0,I1847        -TEST WD.                  17034.00 10                   017256.00
                NOP                                                0.30 00                   017256.40
I18W6           +%N¤,I1850          -TEST WD.                  17047.00 20                   017257.00
                NOP                                                0.30 00                   017257.40
I18W7           +%N¤,I1856          -TEST WD.                  17064.00 20                   017260.00
                NOP                                                0.30 00                   017260.40
I18W8           +%N¤,I1864          -TEST WD.                  17106.00 20                   017261.00
                NOP                                                0.30 00                   017261.40
I18W9           +%N¤,I1870          -TEST WD.                  17127.00 20                   017262.00
                NOP                                                0.30 00                   017262.40
I18W10          LX,$X0,I1875        -TEST WD.                  17142.00 10                   017263.00
                NOP                                                0.30 00                   017263.40
I18W11          LX,$X0,I1881        -TEST WD.                  17156.00 10                   017264.00
                NOP                                                0.30 00                   017264.40
I18W12          LX,$X0,I1887        -TEST WD.                  17174.00 10                   017265.00
                NOP                                                0.30 00                   017265.40
I18W13          LX,$X0,I1893        -TEST WD.                  17213.00 10                   017266.00
                NOP                                                0.30 00                   017266.40
I18W14          LX,$X0,I1899        -TEST WD.                  17232.00 10                   017267.00
                NOP                                                0.30 00                   017267.40
I18K1           XW,-0.01,0,0                                       0.01 80 000000.00 00      017270.00
```

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                -----122 ---IX CORE STG TEST.
                                                                -
                CNOP
120             LX,$X1,120ID          -UPDATE IDENT.                17274.02 10                    017271.00
                SX,$X1,DPET13                                        1437.03 10                    017271.40
                SIC,RET                                              1306.40 80                    017272.00
                      B,IDF1          -PRINT ID.                     1443.10 00                    017272.40
                BD,1201                                              17277.04 00                   017273.00
                CNOP                                                     0.30 00                   017273.40
120ID           %1QSZ¤DD%BU,64,8¤,1220    Z                                                        017274.00
1C220           XW,0,0,0              -CONTINUITY REG 1220.              0.00 00 000000.00 00      017275.00
1CK220          XW,%8¤0,0,0                                              0.00 00 000000.00 00      017276.00
                                                                -
1201            NOP                                                      0.30 00                   017277.00
                NOP                                                      0.30 00                   017277.40
                LX,$X1,%8¤103.0                                        103.02 10                   017300.00
                KV,$X1,100LC                                         17304.42 90                   017300.40
                BZXE,%8¤6500.0                                        6500.32 C0                   017301.00
                KC,$X1,100LC                                         17304.43 90                   017301.40
                BZXE,%8¤6500.0                                        6500.32 C0                   017302.00
                SR,$X1,17.0                                            21.03 70                   017302.40
                KV,$X1,100LC+.32                                     17305.02 90                   017303.00
                BZXE,%8¤6500.0                                        6500.32 C0                   017303.40
                B,%8¤20000.0                                         20000.10 00                   017304.00
                                  -COMMON CONSTANTS FOR FETCH ONLY
                -
SENO            SYN,SENO                                              1311.00+     +00000000
100LC           %8¤DD%BU,64,8¤,0 000 011 770 025 700 000 000             00000117700257000000000  017304.40
100Z            XW,0,0,0,0                  -ZERO INDX WD.               0.00 00 000000.00 00      017306.00
1000            %8¤DD%BU,64,8¤,1777777777777777777777-INDX WD. OF ONES.  1777777777777777777777  017307.00
100V0           XW,%8¤-777777.77,0,0                                  777777.77 80 000000.00 00    017310.00
100C0           XW,0,%8¤777777,0                                        0.00 0F 777760.00 00       017311.00
                -
                DD%BU,64,8¤,0,0,0                                        000000000000000000000    017312.00
                                                                         000000000000000000000    017313.00
                                                                         000000000000000000000    017314.00
                DD%BU,64,8¤,0,0,0                                        000000000000000000000    017315.00
                                                                         000000000000000000000    017316.00
                                                                         000000000000000000000    017317.00
                DD%BU,64,8¤,0,0,0                                        000000000000000000000    017320.00
                                                                         000000000000000000000    017321.00
                                                                         000000000000000000000    017322.00
                DD%BU,64,8¤,0,0,0                                        000000000000000000000    017323.00
                                                                         000000000000000000000    017324.00
                                                                         000000000000000000000    017325.00
                -
BIT0            XW,%8¤400000.00,0,0                                400000.00 00 000000.00 00     017326.00
BIT1            XW,%8¤200000.00,0,0                                200000.00 00 000000.00 00     017327.00
BIT2            XW,%8¤100000.00,0,0                                100000.00 00 000000.00 00     017330.00
BIT3            XW,%8¤40000.00,0,0                                  40000.00 00 000000.00 00     017331.00
BIT4            XW,%8¤20000.00,0,0                                  20000.00 00 000000.00 00     017332.00
BIT5            XW,%8¤10000.00,0,0                                  10000.00 00 000000.00 00     017333.00
BIT6            XW,%8¤4000.00,0,0                                    4000.00 00 000000.00 00     017334.00
BIT7            XW,%8¤2000.00,0,0                                    2000.00 00 000000.00 00     017335.00
BIT8            XW,%8¤1000.00,0,0                                    1000.00 00 000000.00 00     017336.00
BIT9            XW,%8¤400.00,0,0                                      400.00 00 000000.00 00     017337.00
BIT10           XW,%8¤200.00,0,0                                      200.00 00 000000.00 00     017340.00
BIT11           XW,%8¤100.00,0,0                                      100.00 00 000000.00 00     017341.00
BIT12           XW,%8¤40.00,0,0                                        40.00 00 000000.00 00     017342.00
BIT13           XW,%8¤20.00,0,0                                        20.00 00 000000.00 00     017343.00
BIT14           XW,%8¤10.00,0,0                                        10.00 00 000000.00 00     017344.00
BIT15           XW,%8¤4.00,0,0                                          4.00 00 000000.00 00     017345.00
BIT16           XW,%8¤2.00,0,0                                          2.00 00 000000.00 00     017346.00
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BIT17   XW,%8¤1.00,0,0                                                  1.00 00 000000.00 00      017347.00
BIT18   XW,%8¤.40,0,0                                                   0.40 00 000000.00 00      017350.00
BIT19   XW,%8¤.20,0,0                                                   0.20 00 000000.00 00      017351.00
BIT20   XW,%8¤.10,0,0                                                   0.10 00 000000.00 00      017352.00
BIT21   XW,%8¤0.04,0,0                                                  0.04 00 000000.00 00      017353.00
BIT22   XW,%8¤0.02,0,0                                                  0.02 00 000000.00 00      017354.00
BIT23   XW,%8¤0.01,0,0                                                  0.01 00 000000.00 00      017355.00
BIT24   %8¤DD%BU¤,0 000 000 010 000 000 000 000                         00000000100000000000000   017356.00
BIT25   XW,0,0,0,4                                                      0.00 40 000000.00 00      017357.00
BIT26   XW,0,0,0,2                                                      0.00 20 000000.00 00      017360.00
BIT27   XW,0,0,0,1                                                      0.00 10 000000.00 00      017361.00
BIT28   XW,0,131072,0                                                   0.00 08 000000.00 00      017362.00
BIT29   XW,0,65536,0                                                    0.00 04 000000.00 00      017363.00
BIT30   XW,0,32768,0                                                    0.00 02 000000.00 00      017364.00
BIT31   XW,0,16384,0                                                    0.00 01 000000.00 00      017365.00
BIT32   XW,0,8192,0                                                     0.00 00 400000.00 00      017366.00
BIT33   XW,0,4096,0                                                     0.00 00 200000.00 00      017367.00
BIT34   XW,0,2048,0                                                     0.00 00 100000.00 00      017370.00
BIT35   XW,0,1024,0                                                     0.00 00 040000.00 00      017371.00
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BIT36   XW,0,512,0                  0.00 00 020000.00 00      017372.00
BIT37   XW,0,256,0                  0.00 00 010000.00 00      017373.00
BIT38   XW,0,128,0                  0.00 00 004000.00 00      017374.00
BIT39   XW,0,64,0                   0.00 00 002000.00 00      017375.00
BIT40   XW,0,32,0                   0.00 00 001000.00 00      017376.00
BIT41   XW,0,16,0                   0.00 00 000400.00 00      017377.00
BIT42   XW,0,8,0                    0.00 00 000200.00 00      017400.00
BIT43   XW,0,4,0                    0.00 00 000100.00 00      017401.00
BIT44   XW,0,2,0                    0.00 00 000040.00 00      017402.00
BIT45   XW,0,1,0                    0.00 00 000020.00 00      017403.00
BIT46   XW,0,0,131072               0.00 00 000010.00 00      017404.00
BIT47   XW,0,0,65536                0.00 00 000004.00 00      017405.00
BIT48   XW,0,0,32768                0.00 00 000002.00 00      017406.00
BIT49   XW,0,0,16384                0.00 00 000001.00 00      017407.00
BIT50   XW,0,0,8192                 0.00 00 000000.40 00      017410.00
BIT51   XW,0,0,4096                 0.00 00 000000.20 00      017411.00
BIT52   XW,0,0,2048                 0.00 00 000000.10 00      017412.00
BIT53   XW,0,0,1024                 0.00 00 000000.04 00      017413.00
BIT54   XW,0,0,512                  0.00 00 000000.02 00      017414.00
BIT55   XW,0,0,256                  0.00 00 000000.01 00      017415.00
BIT56   XW,0,0,128                  0.00 00 000000.00 80      017416.00
BIT57   XW,0,0,64                   0.00 00 000000.00 40      017417.00
BIT58   XW,0,0,32                   0.00 00 000000.00 20      017420.00
BIT59   XW,0,0,16                   0.00 00 000000.00 10      017421.00
BIT60   XW,0,0,8                    0.00 00 000000.00 08      017422.00
BIT61   XW,0,0,4                    0.00 00 000000.00 04      017423.00
BIT62   XW,0,0,2                    0.00 00 000000.00 02      017424.00
BIT63   XW,0,0,1                    0.00 00 000000.00 01      017425.00
```

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SSW       SYN,%8□1301.0                    1301.00+      +00000000
ERS       SYN,%8□1302.0                    1302.00+      +00000000
SERS      SYN,%8□1304.0                    1304.00+      +00000000
RET       SYN,%8□1306.40                   1306.40+      +00000000
RET1      SYN,%8□1307.0                    1307.00+      +00000000
RET2      SYN,%8□1307.40                   1307.40+      +00000000
SEN       SYN,%8□1310.0                    1310.00+      +00000000
SEN0      SYN,%8□1311.0                    1311.00+      +00000000
DPET13    SYN,%8□1437.0                    1437.00+      +00000000
INT       SYN,%8□1353.0                    1353.00+      +00000000
IDF1      SYN,%8□1443.0                    1443.00+      +00000000
IDF2      SYN,%8□1444.40                   1444.40+      +00000000
          END,%8□6500.0                    6500.00                    017426.00
```