```
  LOC      OBJECT CODE      ADDR1    ADDR2    STMT

                                               2 **********************************************************************
                                               3 *
                                               4 *           TRTRE instruction tests
                                               5 *
                                               6 *         NOTE: This test is based the CLCL-et-al Test
                                               7 *               modified to only test the TRTRE instruction.
                                               8 *
                                               9 *         James Wekel October 2022
                                              10 **********************************************************************


                                              12 **********************************************************************
                                              13 *
                                              14 *           TRTRE basic instruction tests
                                              15 *
                                              16 **********************************************************************
                                              17 *  This program tests proper functioning of the TRTRE
                                              18 *  instructions. Specification exceptions are not tested.
                                              19 *
                                              20 *  PLEASE NOTE that the tests are very SIMPLE TESTS designed to catch
                                              21 *  obvious coding errors.  None of the tests are thorough.  They are
                                              22 *  NOT designed to test all aspects of the TRTRE instruction.
                                              23 *
                                              24 **********************************************************************
                                              25 *
                                              26 *  Example Hercules Testcase:
                                              27 *
                                              28 *         *Testcase TRTRE-01-basic (Test TRTRE instructions)
                                              29 *
                                              30 *         # ------------------------------------------------------------
                                              31 *         # This tests only the basic function of the TRTRE instruction.
                                              32 *         # Specification Exceptions are NOT tested.
                                              33 *         # ------------------------------------------------------------
                                              34 *         mainsize    16
                                              35 *         numcpu      1
                                              36 *         sysclear
                                              37 *         archlvl     z/Arch
                                              38 *
                                              39 *         loadcore    "$(testpath)/TRTRE-01-basic" 0x0
                                              40 *
                                              41 *         runtest     1
                                              42 *
                                              43 *         *Done
                                              44 *
                                              45 **********************************************************************
```

```
 LOC        OBJECT CODE      ADDR1     ADDR2     STMT

                                                 47 ****************************************************************************
                                                 48 *              Low Core Definitions
                                                 49 ****************************************************************************
                                                 50 *
                          00000000  00104779     51 TRTRE1TST START 0
00000000                  00000000               52           USING TRTRE1TST,R0           Low core addressability

00000000                  00000000  000001A0     54           ORG     TRTRE1TST+X'1A0'     z/Architecure RESTART PSW
000001A0   00000001 80000000                      55           DC      X'0000000180000000'
000001A8   00000000 00000200                      56           DC      AD(BEGIN)

000001B0                  000001B0  000001D0     58           ORG     TRTRE1TST+X'1D0'     z/Architecure PROGRAM CHECK PSW
000001D0   00020001 80000000                      59           DC      X'0002000180000000'
000001D8   00000000 0000DEAD                      60           DC      AD(X'DEAD')

000001E0                  000001E0  00000200     62           ORG     TRTRE1TST+X'200'     Start of actual test program...
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

                                                   64 ********************************************************************
                                                   65 *           The actual "TRTRE1TST" program itself...
                                                   66 ********************************************************************
                                                   67 *
                                                   68 *   Architecture Mode: z/Arch
                                                   69 *   Register Usage:
                                                   70 *
                                                   71 *     R0          (work)
                                                   72 *     R1          TRTRE - Function-Code Table Address
                                                   73 *     R2          TRTRE - First-Operand Address
                                                   74 *     R3          TRTRE - First-Operand Length
                                                   75 *     R4          TRTRE - Function-Code
                                                   76 *     R5          Testing control table - base current entry
                                                   77 *     R6-R7       (work)
                                                   78 *     R8          First base register
                                                   79 *     R9          Second base register
                                                   80 *     R10-R13     (work)
                                                   81 *     R14         Subroutine call
                                                   82 *     R15         Secondary Subroutine call or work
                                                   83 *
                                                   84 ********************************************************************
00000200                  00000200                 86          USING  BEGIN,R8          FIRST Base Register
00000200                  00001200                 87          USING  BEGIN+4096,R9     SECOND Base Register

00000200  0580                                     89 BEGIN    BALR   R8,0              Initalize FIRST base register
00000202  0680                                     90          BCTR   R8,0              Initalize FIRST base register
00000204  0680                                     91          BCTR   R8,0              Initalize FIRST base register

00000206  4190 8800                 00000800       93          LA     R9,2048(,R8)      Initalize SECOND base register
0000020A  4190 9800                 00000800       94          LA     R9,2048(,R9)      Initalize SECOND base register
                                                   95 *
                                                   96 **        Run the tests...
                                                   97 *
0000020E  45E0 8302                 00000502       98          BAL    R14,TEST01        Test TRTRE    instruction
                                                   99 *


                                                  101 ********************************************************************
                                                  102 *         Test for normal or unexpected test completion...
                                                  103 ********************************************************************

00000212  95FC 8200                 00000400      105          CLI    TESTNUM,X'FC'     Did we end on expected test?
00000216  4770 83D8                 000005D8      106          BNE    FAILTEST          No?! Then FAIL the test!

0000021A  9503 8201                 00000401      108          CLI    SUBTEST,X'03'     Did we end on expected SUB-test?
0000021E  4770 83D8                 000005D8      109          BNE    FAILTEST          No?! Then FAIL the test!

00000222  47F0 83C0                 000005C0      111          B      EOJ               Yes, then normal completion!
```

```
 LOC        OBJECT CODE      ADDR1     ADDR2    STMT

                                               113 ***********************************************************************
                                               114 *         Fixed test storage locations ...
                                               115 ***********************************************************************

00000226                    00000226  00000400  117           ORG     BEGIN+X'200'
                                               118
00000400                                        119 TESTADDR DS      0D                    Where test/subtest numbers will go
00000400  99                                    120 TESTNUM  DC      X'99'      Test number of active test
00000401  99                                    121 SUBTEST  DC      X'99'      Active test sub-test number

00000402                    00000402  00000502  123           ORG     *+X'100'
```

```
 LOC        OBJECT CODE      ADDR1     ADDR2    STMT


                                                125 ****************************************************************
                                                126 *        TEST01                  Test TRTRE instruction
                                                127 ****************************************************************

00000502  9201 8200                   00000400  129 TEST01    MVI    TESTNUM,X'01'
                                                130
00000506  4150 83E4                   000005E4  131          LA     R5,TRTRECTL          Point R5 --> testing control table
0000050A             00000000                   132          USING  TRTRETEST,R5         What each table entry looks like
                                                133
                     0000050A  00000001         134 TST1LOOP EQU    *
0000050A  4360 5000                   00000000  135          IC     R6,TNUM              Set test number
0000050E  4260 8200                   00000400  136          STC    R6,TESTNUM
                                                137 *
                                                138 **       Initialize operand data  (move data to testing address)
                                                139 *
00000512  58A0 5018                   00000018  140          L      R10,OP1WHERE         Where to move operand-1 data to
00000516  58B0 5008                   00000008  141          L      R11,OP1LEN           operand-1 length
0000051A  50B0 501C                   0000001C  142          ST     R11,OP1WLEN            and save for later
0000051E  5860 5004                   00000004  143          L      R6,OP1DATA           Where op1 data is right now
00000522  5870 5008                   00000008  144          L      R7,OP1LEN            How much of it there is
00000526  0EA6                                  145          MVCL   R10,R6
                                                146 *
00000528  58A0 5014                   00000014  147          L      R10,OP2WHERE         Where to move operand-2 data to
0000052C  58B0 5010                   00000010  148          L      R11,OP2LEN           How much of it there is
00000530  5860 500C                   0000000C  149          L      R6,OP2DATA           Where op2 data is right now
00000534  5870 5010                   00000010  150          L      R7,OP2LEN             How much of it there is
00000538  0EA6                                  151          MVCL   R10,R6


                                                153 * Setup for TRTRE instruction: store M3 bits, adjust OP address

0000053A  1B77                                  155          SR     R7,R7                get M3 bits for TRTRE
0000053C  4370 5003                   00000003  156          IC     R7,M3                (M3)
00000540  4270 8364                   00000564  157          STC    R7,TRTREMOD+2         DYNAMICALLY MODIFIED CODE

00000544  58B0 5024                   00000024  159          L      R11,FAILMASK         (failure CC)
00000548  89B0 0004                   00000004  160          SLL    R11,4                (shift to BC instr CC position)

0000054C  9200 8201                   00000401  162          MVI    SUBTEST,X'00'        (primary TRTRE)


00000550  9814 5014                   00000014  164          LM     R1,R4,OPSWHERE       get TRTRE input; set OP addr to end
00000554  1A23                                  165          AR     R2,R3                add OP length -1
00000556  0620                                  166          BCTR   R2,0
00000558  5470 83DC                   000005DC  167          N      R7,=XL4'80'          is a-bit set?
0000055C  4780 8362                   00000562  168          BZ     TRTREMOD
00000560  0620                                  169          BCTR   R2,0                 then, OP addr is one less
```

```
  LOC        OBJECT CODE       ADDR1      ADDR2     STMT

                                                    171 * Execute TRTRE instruction and check for expected condition code

00000562  B9BD 0024                                 173 TRTREMOD TRTRE  R2,R4,0            M3 is modified!!

00000566  44B0 83A8                     000005A8    175          EX     R11,TRTREBC         fail if...
0000056A  4710 8362                     00000562    176          BC     B'0001',TRTREMOD    cc=3, not finished

                                                    178 **       Verify R2,R3,R4 contain (or still contain!) expected values

0000056E  98AC 5028                     00000028    180          LM     R10,R12,ENDREGS

00000572  9201 8201                     00000401    182          MVI    SUBTEST,X'01'      (R2 result - op1 found addr)
00000576  152A                                      183          CLR    R2,R10              R2 correct?
00000578  4770 83A2                     000005A2    184          BNE    TRTREFAIL           No, FAILTEST!

0000057C  9202 8201                     00000401    186          MVI    SUBTEST,X'02'      (R3 result - op1 remaining len)
00000580  153B                                      187          CLR    R3,R11              R3 correct
00000582  4770 83A2                     000005A2    188          BNE    TRTREFAIL           No, FAILTEST!

00000586  9203 8201                     00000401    190          MVI    SUBTEST,X'03'      (R4 result - FC code)
0000058A  154C                                      191          CLR    R4,R12              R4 correct
0000058C  4770 83A2                     000005A2    192          BNE    TRTREFAIL           No, FAILTEST!

00000590  4150 5034                     00000034    194          LA     R5,TRTRENEXT        Go on to next table entry
00000594  D503 83E0 5000   000005E0     00000000    195          CLC    =F'0',0(R5)         End of table?
0000059A  4770 830A                     0000050A    196          BNE    TST1LOOP            No, loop...
0000059E  47F0 83A6                     000005A6    197          B      TRTREDONE           Done! (success!)

000005A2  41E0 83D8                     000005D8    199 TRTREFAIL LA    R14,FAILTEST        Unexpected results!
000005A6  07FE                                      200 TRTREDONE BR    R14                 Return to caller or FAILTEST

000005A8  4700 83A2                     000005A2    202 TRTREBC  BC     0,TRTREFAIL         (fail if unexpected condition code)

000005AC                                            204          DROP   R5
000005AC                                            205          DROP   R15
000005AC                      00000200              206          USING  BEGIN,R8
```

```
  LOC        OBJECT CODE        ADDR1     ADDR2     STMT

                                                    208 ****************************************************************************
                                                    209 *        Normal completion or Abnormal termination PSWs
                                                    210 ****************************************************************************


000005B0   00020001 80000000                        212 EOJPSW   DC     0D'0',X'0002000180000000',AD(0)

000005C0   B2B2 83B0                     000005B0    214 EOJ      LPSWE EOJPSW                 Normal completion



000005C8   00020001 80000000                        216 FAILPSW  DC     0D'0',X'0002000180000000',AD(X'BAD')

000005D8   B2B2 83C8                     000005C8    218 FAILTEST LPSWE FAILPSW               Abnormal termination




                                                    220 ****************************************************************************
                                                    221 *        Working Storage
                                                    222 ****************************************************************************

000005DC                                            224          LTORG ,                     Literals pool
000005DC   00000080                                 225                =XL4'80'
000005E0   00000000                                 226                =F'0'
                          00000400  00000001        228 K        EQU   1024                  One KB
                          00001000  00000001        229 PAGE     EQU   (4*K)                 Size of one page
                          00010000  00000001        230 K64      EQU   (64*K)                64 KB
                          00100000  00000001        231 MB       EQU   (K*K)                  1 MB
```

```
 LOC      OBJECT CODE      ADDR1     ADDR2     STMT

                       00000000  00104779   233 TRTRE1TST CSECT ,

                                            235 ***********************************************************************
                                            236 *          TRTRETEST DSECT
                                            237 ***********************************************************************

                                            239 TRTRETEST DSECT ,
00000000  00                               240 TNUM      DC    X'00'          TRTRE table Number
00000001  00                               241           DC    X'00'
00000002  00                               242           DC    X'00'
00000003  00                               243 M3        DC    X'00'          M3 byte stored into TRTRE instruction


00000004  00000000                         245 OP1DATA   DC    A(0)           Pointer to Operand-1 data
00000008  00000000                         246 OP1LEN    DC    F'0'           How much data is there - 1
0000000C  00000000                         247 OP2DATA   DC    A(0)           Pointer to FC table data
00000010  00000000                         248 OP2LEN    DC    F'0'           How much data is there - FC Table

                       00000014  00000001   250 OPSWHERE  EQU   *
00000014  00000000                         251 OP2WHERE  DC    A(0)           Where FC Table  data should be placed
00000018  00000000                         252 OP1WHERE  DC    A(0)           Where Operand-1 data should be placed
0000001C  00000000                         253 OP1WLEN   DC    F'0'           How much data is there - 1
00000020  00000000                         254           DC    A(0)           pollute - found FC

00000024  00000000                         256 FAILMASK  DC    A(0)           Failure Branch on Condition mask

                                            258 *                            Ending register values
00000028  00000000                         259 ENDREGS   DC    A(0)             Operand 1 address
0000002C  00000000                         260           DC    A(0)             Operand 1 length
00000030  00000000                         261           DC    A(0)             Function Code

                       00000034  00000001   263 TRTRENEXT EQU   *             Start of next table entry...


                       AABBCCDD  00000001   265 REG2PATT  EQU   X'AABBCCDD'    Polluted Register pattern
                       000000DD  00000001   266 REG2LOW   EQU       X'DD'      (last byte above)
```

```
 LOC        OBJECT CODE       ADDR1    ADDR2    STMT

                              00000000  00104779   268 TRTRE1TST CSECT ,


                                                   270 *********************************************************************
                                                   271 *          TRTRE Testing Control tables   (ref: TRTRETEST DSECT)
                                                   272 *********************************************************************
                                                   273          PRINT DATA
000005E4                                           274 TRTRECTL  DC    0A(0)    start of table


                                                   276 *********************************************************************
                                                   277 *          tests with   M3: A=0,F=0,L=0, reserved=0    (0)
                                                   278 *                            FC Table = 1 byte
                                                   279 *********************************************************************


000005E4                                           281 M0T1      DS    0F
000005E4  01                                       282          DC    X'01'                      Test Num
000005E5  0000                                     283          DC    X'00',X'00'
000005E7  00                                       284          DC    X'00'                      M3: A=0,F=0,L=0
000005E8  00001458 00000001                        285          DC    A(TRTOP10),A(001)          Source - Op 1 & length
000005F0  00003958 00000100                        286          DC    A(TRTOP20),A(256)          Source - FC Table & length
                                                   287 *                                         Target -
000005F8  00110000 00210000                        288          DC    A(1*MB+(1*K64)),A(2*MB+(1*K64)),A(0)  FC, Op1, Op1L
00000600  00000000
00000604  AABBCCDD                                 289          DC    A(REG2PATT)
00000608  00000007                                 290          DC    A(7) CC0
0000060C  0020FFFF 00000000                        291          DC    A(2*MB+(1*K64)-001),A(000),A(0)
00000614  00000000


00000618                                           293 M0T2      DS    0F
00000618  02                                       294          DC    X'02'                      Test Num
00000619  0000                                     295          DC    X'00',X'00'
0000061B  00                                       296          DC    X'00'                      M3: A=0,F=0,L=0
0000061C  00001458 00000002                        297          DC    A(TRTOP10),A(002)          Source - Op 1 & length
00000624  00003958 00000100                        298          DC    A(TRTOP20),A(256)          Source - FC Table & length
                                                   299 *                                         Target -
0000062C  00120000 00220000                        300          DC    A(MB+(2*K64)),A(2*MB+(2*K64)),A(0)  FC, Op1, Op1L
00000634  00000000
00000638  AABBCCDD                                 301          DC    A(REG2PATT)
0000063C  00000007                                 302          DC    A(7) CC0
00000640  0021FFFF 00000000                        303          DC    A(2*MB+(2*K64)-001),A(000),A(0)
00000648  00000000


0000064C                                           305 M0T3      DS    0F
0000064C  03                                       306          DC    X'03'                      Test Num
0000064D  0000                                     307          DC    X'00',X'00'
0000064F  00                                       308          DC    X'00'                      M3: A=0,F=0,L=0
```

```
 LOC        OBJECT CODE     ADDR1    ADDR2    STMT

00000650  00001458 00000004           309          DC    A(TRTOP10),A(004)            Source - Op 1 & length
00000658  00003958 00000100           310          DC    A(TRTOP20),A(256)            Source - FC Table & length
                                       311 *                                          Target -
00000660  00130000 00230000           312          DC    A(MB+(3*K64)),A(2*MB+(3*K64)),A(0)  FC, Op1, Op1L
00000668  00000000
0000066C  AABBCCDD                     313          DC    A(REG2PATT)
00000670  00000007                     314          DC    A(7) CC0
00000674  0022FFFF 00000000            315          DC    A(2*MB+(3*K64)-001),A(000),A(0)
0000067C  00000000


00000680                               317 M0T4     DS    0F
00000680  04                           318          DC    X'04'                        Test Num
00000681  0000                         319          DC    X'00',X'00'
00000683  00                           320          DC    X'00'                        M3: A=0,F=0,L=0
00000684  00001458 00000008            321          DC    A(TRTOP10),A(008)            Source - Op 1 & length
0000068C  00003958 00000100            322          DC    A(TRTOP20),A(256)            Source - FC Table & length
                                       323 *                                          Target -
00000694  00140000 00240000            324          DC    A(MB+(4*K64)),A(2*MB+(4*K64)),A(0)  FC, Op1, Op1L
0000069C  00000000
000006A0  AABBCCDD                     325          DC    A(REG2PATT)
000006A4  00000007                     326          DC    A(7) CC0
000006A8  0023FFFF 00000000            327          DC    A(2*MB+(4*K64)-001),A(000),A(0)
000006B0  00000000


000006B4                               329 M0T5     DS    0F
000006B4  05                           330          DC    X'05'                        Test Num
000006B5  0000                         331          DC    X'00',X'00'
000006B7  00                           332          DC    X'00'                        M3: A=0,F=0,L=0
000006B8  00001458 00000100            333          DC    A(TRTOP10),A(256)            Source - Op 1 & length
000006C0  00003958 00000100            334          DC    A(TRTOP20),A(256)            Source - FC Table & length
                                       335 *                                          Target -
000006C8  00150000 00250000            336          DC    A(MB+(5*K64)),A(2*MB+(5*K64)),A(0)  FC, Op1, Op1L
000006D0  00000000
000006D4  AABBCCDD                     337          DC    A(REG2PATT)
000006D8  00000007                     338          DC    A(7) CC0
000006DC  0024FFFF 00000000            339          DC    A(2*MB+(5*K64)-1),A(000),A(0)
000006E4  00000000


000006E8                               341 M0T6     DS    0F
000006E8  06                           342          DC    X'06'                        Test Num
000006E9  0000                         343          DC    X'00',X'00'
000006EB  00                           344          DC    X'00'                        M3: A=0,F=0,L=0
000006EC  00001558 00000100            345          DC    A(TRTOP111),A(256)           Source - Op 1 & length
000006F4  00023A58 00000100            346          DC    A(TRTOP211),A(256)           Source - FC Table & length
                                       347 *                                          Target -
000006FC  0015FFE0 0025FFF4            348          DC    A(MB+(6*K64)-32),A(2*MB+(6*K64)-12),A(0)  FC, Op1, Op1L
00000704  00000000
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00000708  AABBCCDD                              349          DC     A(REG2PATT)
0000070C  0000000A                              350          DC     A(10) CC1 or CC3
00000710  002600E1 000000EE                     351          DC     A(2*MB+(6*K64)-12+256-18-1),A(256-18),XL4'11'
00000718  00000011


00000071C                                       353 M0T7     DS     0F
0000071C  07                                    354          DC     X'07'                      Test Num
0000071D  0000                                  355          DC     X'00',X'00'
0000071F  00                                    356          DC     X'00'                      M3: A=0,F=0,L=0
00000720  00001658 00000100                     357          DC     A(TRTOP1F0),A(256)         Source - Op 1 & length
00000728  00023B58 00000100                     358          DC     A(TRTOP2F0),A(256)         Source - FC Table & length
                                                359 *                                          Target -
00000730  00170000 0026FFF4                     360          DC     A(MB+(7*K64)),A(2*MB+(7*K64)-12),A(0)   FC, Op1, Op1L
00000738  00000000
0000073C  AABBCCDD                              361          DC     A(REG2PATT)
00000740  0000000A                              362          DC     A(10) CC1 or CC3
00000744  0026FFF5 00000002                     363          DC     A(2*MB+(7*K64)-12+256-255),A(2),XL4'F0'
0000074C  000000F0


00000750                                        365 M0T8     DS     0F
00000750  08                                    366          DC     X'08'                      Test Num
00000751  0000                                  367          DC     X'00',X'00'
00000753  00                                    368          DC     X'00'                      M3: A=0,F=0,L=0
00000754  00001558 00000100                     369          DC     A(TRTOP111),A(256)         Source - Op 1 & length
0000075C  00023A58 00000100                     370          DC     A(TRTOP211),A(256)         Source - FC Table & length
                                                371 *                                          Target -
00000764  0017FFE0 00280000                     372          DC     A(MB+(8*K64)-32),A(2*MB+(8*K64)),A(0)  FC, Op1, Op1L
0000076C  00000000
00000770  AABBCCDD                              373          DC     A(REG2PATT)
00000774  0000000B                              374          DC     A(11) CC1
00000778  002800ED 000000EE                     375          DC     A(2*MB+(8*K64)+256-18-1),A(256-18),XL4'11'
00000780  00000011


00000784                                        377 M0T9     DS     0F
00000784  09                                    378          DC     X'09'                      Test Num
00000785  0000                                  379          DC     X'00',X'00'
00000787  00                                    380          DC     X'00'                      M3: A=0,F=0,L=0
00000788  00001958 00000800                     381          DC     A(TRTO1L0),A(2048)         Source - Op 1 & length
00000790  00003958 00000100                     382          DC     A(TRTOP20),A(256)          Source - FC Table & length
                                                383 *                                          Target -
00000798  00190000 00290000                     384          DC     A(MB+(9*K64)),A(2*MB+(9*K64)),A(0)  FC, Op1, Op1L
000007A0  00000000
000007A4  AABBCCDD                              385          DC     A(REG2PATT)
000007A8  00000007                              386          DC     A(7) CC0
000007AC  0028FFFF 00000000                     387          DC     A(2*MB+(9*K64)-1),A(000),A(0)
000007B4  00000000
```

```
  LOC        OBJECT CODE     ADDR1     ADDR2     STMT

000007B8                                         389 M0T10     DS      0F
000007B8   0A                                    390           DC      X'0A'                       Test Num
000007B9   0000                                  391           DC      X'00',X'00'
000007BB   00                                    392           DC      X'00'                       M3: A=0,F=0,L=0
000007BC   00002158 00000800                     393           DC      A(TRTO1L11),A(2048)         Source - Op 1 & length
000007C4   00023A58 00000100                     394           DC      A(TRTOP211),A(256)          Source - FC Table & length
                                                 395 *                                             Target -
000007CC   001A0000 0029FF38                     396           DC      A(MB+(10*K64)),A(2*MB+(10*K64)-200),A(0)  FC, Op1, Op1L
000007D4   00000000
000007D8   AABBCCDD                              397           DC      A(REG2PATT)
000007DC   0000000A                              398           DC      A(10) CC1 or CC3
000007E0   002A0339 00000402                     399           DC      A(2*MB+(10*K64)-200+(4*256)+1),A(1026),Xl4'11'
000007E8   00000011


000007EC                                         401 M0T11     DS      0F
000007EC   0B                                    402           DC      X'0B'                       Test Num
000007ED   0000                                  403           DC      X'00',X'00'
000007EF   00                                    404           DC      X'00'                       M3: A=0,F=0,L=0
000007F0   00002958 00000800                     405           DC      A(TRTO1LF0),A(2048)         Source - Op 1 & length
000007F8   00023B58 00000100                     406           DC      A(TRTOP2F0),A(256)          Source - FC Table & length
                                                 407 *                                             Target -
00000800   001AFFC0 002B0000                     408           DC      A(MB+(11*K64)-64),A(2*MB+(11*K64)),A(0) FC, Op1, Op1L
00000808   00000000
0000080C   AABBCCDD                              409           DC      A(REG2PATT)
00000810   0000000B                              410           DC      A(11) CC1
00000814   002B0001 00000002                     411           DC      A(2*MB+(11*K64)+1),A(2),Xl4'F0'
0000081C   000000F0
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

                                                  413 ****************************************************************
                                                  414 *        tests with   M3: A=0,F=1,L=0, reserved=0    (4)
                                                  415 *                           FC Table = 2 bytes
                                                  416 ****************************************************************

00000820                                          418 M4T1      DS      0F
00000820  41                                      419           DC      X'41'                           Test Num
00000821  0000                                    420           DC      X'00',X'00'
00000823  40                                      421           DC      X'40'                           M3: A=0,F=1,L=0
00000824  00001458 00000001                       422           DC      A(TRTOP10),A(001)               Source - Op 1 & length
0000082C  00003958 00000200                       423           DC      A(TRTOP20),A(512)               Source - FC Table & length
                                                  424 *                                                 Target -
00000834  00310000 00410000                       425           DC      A(3*MB+(1*K64)),A(4*MB+(1*K64)),A(0)  FC, Op1, Op1L
0000083C  00000000
00000840  AABBCCDD                                426           DC      A(REG2PATT)
00000844  00000007                                427           DC      A(7) CC0
00000848  0040FFFF 00000000                       428           DC      A(4*MB+(1*K64)-001),A(000),A(0)
00000850  00000000


00000854                                          430 M4T2      DS      0F
00000854  42                                      431           DC      X'42'                           Test Num
00000855  0000                                    432           DC      X'00',X'00'
00000857  40                                      433           DC      X'40'                           M3: A=0,F=1,L=0
00000858  00001458 00000002                       434           DC      A(TRTOP10),A(002)               Source - Op 1 & length
00000860  00003958 00000200                       435           DC      A(TRTOP20),A(512)               Source - FC Table & length
                                                  436 *                                                 Target -
00000868  00320000 00420000                       437           DC      A(3*MB+(2*K64)),A(4*MB+(2*K64)),A(0)  FC, Op1, Op1L
00000870  00000000
00000874  AABBCCDD                                438           DC      A(REG2PATT)
00000878  00000007                                439           DC      A(7) CC0
0000087C  0041FFFF 00000000                       440           DC      A(4*MB+(2*K64)-001),A(000),A(0)
00000884  00000000


00000888                                          442 M4T3      DS      0F
00000888  43                                      443           DC      X'43'                           Test Num
00000889  0000                                    444           DC      X'00',X'00'
0000088B  40                                      445           DC      X'40'                           M3: A=0,F=1,L=0
0000088C  00001458 00000004                       446           DC      A(TRTOP10),A(004)               Source - Op 1 & length
00000894  00003958 00000200                       447           DC      A(TRTOP20),A(512)               Source - FC Table & length
                                                  448 *                                                 Target -
0000089C  00340000 00440000                       449           DC      A(3*MB+(4*K64)),A(4*MB+(4*K64)),A(0)  FC, Op1, Op1L
000008A4  00000000
000008A8  AABBCCDD                                450           DC      A(REG2PATT)
000008AC  00000007                                451           DC      A(7) CC0
000008B0  0043FFFF 00000000                       452           DC      A(4*MB+(4*K64)-001),A(000),A(0)
000008B8  00000000
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

000008BC                                         454 M4T4     DS      0F
000008BC   44                                    455         DC      X'44'                        Test Num
000008BD   0000                                  456         DC      X'00',X'00'
000008BF   40                                    457         DC      X'40'                        M3: A=0,F=1,L=0
000008C0   00001458 00000008                     458         DC      A(TRTOP10),A(008)            Source - Op 1 & length
000008C8   00003958 00000200                     459         DC      A(TRTOP20),A(512)            Source - FC Table & length
                                                 460 *                                           Target -
000008D0   00340000 00440000                     461         DC      A(3*MB+(4*K64)),A(4*MB+(4*K64)),A(0)  FC, Op1, Op1L
000008D8   00000000
000008DC   AABBCCDD                               462         DC      A(REG2PATT)
000008E0   00000007                               463         DC      A(7) CC0
000008E4   0043FFFF 00000000                      464         DC      A(4*MB+(4*K64)-001),A(000),A(0)
000008EC   00000000


000008F0                                         466 M4T5     DS      0F
000008F0   45                                    467         DC      X'45'                        Test Num
000008F1   0000                                  468         DC      X'00',X'00'
000008F3   40                                    469         DC      X'40'                        M3: A=0,F=1,L=0
000008F4   00001458 00000100                     470         DC      A(TRTOP10),A(256)            Source - Op 1 & length
000008FC   00003958 00000200                     471         DC      A(TRTOP20),A(512)            Source - FC Table & length
                                                 472 *                                           Target -
00000904   00350000 00450000                     473         DC      A(3*MB+(5*K64)),A(4*MB+(5*K64)),A(0)   FC, Op1, Op1L
0000090C   00000000
00000910   AABBCCDD                               474         DC      A(REG2PATT)
00000914   00000007                               475         DC      A(7) CC0
00000918   0044FFFF 00000000                      476         DC      A(4*MB+(5*K64)-001),A(000),A(0)
00000920   00000000


00000924                                         478 M4T6     DS      0F
00000924   46                                    479         DC      X'46'                        Test Num
00000925   0000                                  480         DC      X'00',X'00'
00000927   40                                    481         DC      X'40'                        M3: A=0,F=1,L=0
00000928   00001558 00000100                     482         DC      A(TRTOP111),A(256)           Source - Op 1 & length
00000930   00023C58 00000200                     483         DC      A(TRTOP411),A(512)           Source - FC Table & length
                                                 484 *                                           Target -
00000938   0035FFE0 0045FFF4                     485         DC      A(3*MB+(6*K64)-32),A(4*MB+(6*K64)-12),A(0) FC, Op1, Op1L
00000940   00000000
00000944   AABBCCDD                               486         DC      A(REG2PATT)
00000948   0000000A                               487         DC      A(10) CC1 or CC3
0000094C   004600E1 000000EE                      488         DC      A(4*MB+(6*K64)-12+256-18-1),A(256-18),XL4'11'
00000954   00000011


00000958                                         490 M4T7     DS      0F
00000958   47                                    491         DC      X'47'                        Test Num
00000959   0000                                  492         DC      X'00',X'00'
0000095B   40                                    493         DC      X'40'                        M3: A=0,F=1,L=0
0000095C   00001658 00000100                     494         DC      A(TRTOP1F0),A(256)           Source - Op 1 & length
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00000964   00023E58 00000200                      495          DC      A(TRTOP4F0),A(512)             Source - FC Table & length
                                                  496 *                                              Target -
0000096C   00370000 0046FFF4                      497          DC      A(3*MB+(7*K64)),A(4*MB+(7*K64)-12),A(0) FC, Op1, Op1L
00000974   00000000
00000978   AABBCCDD                               498          DC      A(REG2PATT)
0000097C   0000000A                               499          DC      A(10) CC1 or CC3
00000980   0046FFF5 00000002                      500          DC      A(4*MB+(7*K64)-12+1),A(2),XL4'F0'
00000988   000000F0


0000098C                                          502 M4T8     DS      0F
0000098C   48                                     503          DC      X'48'                          Test Num
0000098D   0000                                   504          DC      X'00',X'00'
0000098F   40                                     505          DC      X'40'                          M3: A=0,F=1,L=0
00000990   00001558 00000100                      506          DC      A(TRTOP111),A(256)             Source - Op 1 & length
00000998   00023C58 00000200                      507          DC      A(TRTOP411),A(512)             Source - FC Table & length
                                                  508 *                                              Target -
000009A0   0037FFE0 00480000                      509          DC      A(3*MB+(8*K64)-32),A(4*MB+(8*K64)),A(0) FC, Op1, Op1L
000009A8   00000000
000009AC   AABBCCDD                               510          DC      A(REG2PATT)
000009B0   0000000B                               511          DC      A(11) CC1
000009B4   004800ED 000000EE                      512          DC      A(4*MB+(8*K64)+256-18-1),A(256-18),XL4'11'
000009BC   00000011


000009C0                                          514 M4T9     DS      0F
000009C0   49                                     515          DC      X'49'                          Test Num
000009C1   0000                                   516          DC      X'00',X'00'
000009C3   40                                     517          DC      X'40'                          M3: A=0,F=1,L=0
000009C4   00001958 00000800                      518          DC      A(TRTO1L0),A(2048)             Source - Op 1 & length
000009CC   00003958 00000200                      519          DC      A(TRTOP20),A(512)              Source - FC Table & length
                                                  520 *                                              Target -
000009D4   00390000 00490000                      521          DC      A(3*MB+(9*K64)),A(4*MB+(9*K64)),A(0) FC, Op1, Op1L
000009DC   00000000
000009E0   AABBCCDD                               522          DC      A(REG2PATT)
000009E4   00000007                               523          DC      A(7) CC0
000009E8   0048FFFF 00000000                      524          DC      A(4*MB+(9*K64)-1),A(000),A(0)
000009F0   00000000


000009F4                                          526 M4T10    DS      0F
000009F4   4A                                     527          DC      X'4A'                          Test Num
000009F5   0000                                   528          DC      X'00',X'00'
000009F7   40                                     529          DC      X'40'                          M3: A=0,F=1,L=0
000009F8   00002158 00000800                      530          DC      A(TRTO1L11),A(2048)            Source - Op 1 & length
00000A00   00023C58 00000200                      531          DC      A(TRTOP411),A(512)             Source - FC Table & length
                                                  532 *                                              Target -
00000A08   003A0000 0049FF38                      533          DC      A(3*MB+(10*K64)),A(4*MB+(10*K64)-200),A(0) FC, Op1, Op1L
00000A10   00000000
00000A14   AABBCCDD                               534          DC      A(REG2PATT)
```

```
 LOC        OBJECT CODE     ADDR1    ADDR2    STMT

00000A18  0000000A                            535          DC      A(10) CC1 or CC3
00000A1C  004A0339 00000402                   536          DC      A(4*MB+(10*K64)-200+(4*256)+1),A(1026),XL4'11'
00000A24  00000011


00000A28                                      538 M4T11    DS      0F
00000A28  4B                                  539          DC      X'4B'                           Test Num
00000A29  0000                                540          DC      X'00',X'00'
00000A2B  40                                  541          DC      X'40'                           M3: A=0,F=1,L=0
00000A2C  00002958 00000800                   542          DC      A(TRTO1LF0),A(2048)             Source - Op 1 & length
00000A34  00023E58 00000200                   543          DC      A(TRTOP4F0),A(512)              Source - FC Table & length
                                              544 *                                                Target -
00000A3C  003AFFC0 004B0000                   545          DC      A(3*MB+(11*K64)-64),A(4*MB+(11*K64)),A(0) FC, Op1, Op1L
00000A44  00000000
00000A48  AABBCCDD                            546          DC      A(REG2PATT)
00000A4C  0000000B                            547          DC      A(11) CC1
00000A50  004B0001 00000002                   548          DC      A(4*MB+(11*K64)+1),A(2),XL4'F0'
00000A58  000000F0
```

```
  LOC          OBJECT CODE        ADDR1      ADDR2      STMT

                                                        550 ***********************************************************************
                                                        551 *         tests with   M3: A=1,F=0,L=0, reserved=0    (8)
                                                        552 *                          FC Table : SIZE: 65,536 (2 BYTE ARGUMENT)
                                                        553 *
                                                        554 *              Note: Op1 length must be a multiple of 2
                                                        555 ***********************************************************************


00000A5C                                                557 M8T1     DS     0F
00000A5C   81                                           558          DC     X'81'                      Test Num
00000A5D   0000                                         559          DC     X'00',X'00'
00000A5F   80                                           560          DC     X'80'                      M3: A=1,F=0,L=0,--=0
00000A60   00001458 00000002                            561          DC     A(TRTOP10),A(002)          Source - Op 1 & length
00000A68   00003958 00010000                            562          DC     A(TRTOP20),A(K64)          Source - FC Table & length
                                                        563 *                                          Target -
00000A70   00510000 00610000                            564          DC     A(5*MB+(1*K64)),A(6*MB+(1*K64)),A(0)  FC, Op1, Op1L
00000A78   00000000
00000A7C   AABBCCDD                                     565          DC     A(REG2PATT)
00000A80   00000007                                     566          DC     A(7) CC0
00000A84   0060FFFE 00000000                            567          DC     A(6*MB+(1*K64)-002),A(000),A(0)
00000A8C   00000000




00000A90                                                569 M8T2     DS     0F
00000A90   82                                           570          DC     X'82'                      Test Num
00000A91   0000                                         571          DC     X'00',X'00'
00000A93   80                                           572          DC     X'80'                      M3: A=1,F=0,L=0,--=0
00000A94   00001458 00000004                            573          DC     A(TRTOP10),A(004)          Source - Op 1 & length
00000A9C   00003958 00010000                            574          DC     A(TRTOP20),A(K64)          Source - FC Table & length
                                                        575 *                                          Target -
00000AA4   00520000 00620000                            576          DC     A(5*MB+(2*K64)),A(6*MB+(2*K64)),A(0)  FC, Op1, Op1L
00000AAC   00000000
00000AB0   AABBCCDD                                     577          DC     A(REG2PATT)
00000AB4   00000007                                     578          DC     A(7) CC0
00000AB8   0061FFFE 00000000                            579          DC     A(6*MB+(2*K64)-002),A(000),A(0)
00000AC0   00000000




00000AC4                                                581 M8T3     DS     0F
00000AC4   83                                           582          DC     X'83'                      Test Num
00000AC5   0000                                         583          DC     X'00',X'00'
00000AC7   80                                           584          DC     X'80'                      M3: A=1,F=0,L=0,--=0
00000AC8   00001458 00000008                            585          DC     A(TRTOP10),A(008)          Source - Op 1 & length
00000AD0   00003958 00010000                            586          DC     A(TRTOP20),A(K64)          Source - FC Table & length
                                                        587 *                                          Target -
00000AD8   00530000 00630000                            588          DC     A(5*MB+(3*K64)),A(6*MB+(3*K64)),A(0)  FC, Op1, Op1L
00000AE0   00000000
00000AE4   AABBCCDD                                     589          DC     A(REG2PATT)
00000AE8   00000007                                     590          DC     A(7) CC0
00000AEC   0062FFFE 00000000                            591          DC     A(6*MB+(3*K64)-002),A(000),A(0)
00000AF4   00000000
```

```
  LOC        OBJECT CODE      ADDR1    ADDR2    STMT

00000AF8                               593 M8T4     DS    0F
00000AF8  84                           594         DC    X'84'                       Test Num
00000AF9  0000                         595         DC    X'00',X'00'
00000AFB  80                           596         DC    X'80'                       M3: A=1,F=0,L=0,--=0
00000AFC  00001458 00000100            597         DC    A(TRTOP10),A(256)           Source - Op 1 & length
00000B04  00003958 00010000            598         DC    A(TRTOP20),A(K64)           Source - FC Table & length
                                       599 *                                         Target -
00000B0C  00540000 00640000            600         DC    A(5*MB+(4*K64)),A(6*MB+(4*K64)),A(0)  FC, Op1, Op1L
00000B14  00000000
00000B18  AABBCCDD                     601         DC    A(REG2PATT)
00000B1C  00000007                     602         DC    A(7) CC0
00000B20  0063FFFE 00000000            603         DC    A(6*MB+(4*K64)-002),A(000),A(0)
00000B28  00000000


00000B2C                               605 M8T5     DS    0F
00000B2C  85                           606         DC    X'85'                       Test Num
00000B2D  0000                         607         DC    X'00',X'00'
00000B2F  80                           608         DC    X'80'                       M3: A=1,F=0,L=0,--=0
00000B30  00001558 00000100            609         DC    A(TRTOP111),A(256)          Source - Op 1 & length
00000B38  00024058 00010000            610         DC    A(TRTOP811),A(K64)          Source - FC Table & length
                                       611 *                                         Target -
00000B40  00550000 0064FFF4            612         DC    A(5*MB+(5*K64)),A(6*MB+(5*K64)-12),A(0)  FC, Op1, Op1L
00000B48  00000000
00000B4C  AABBCCDD                     613         DC    A(REG2PATT)
00000B50  0000000A                     614         DC    A(10) CC1 or CC3
00000B54  006500E0 000000EE            615         DC    A(6*MB+(5*K64)-12+256-18-2),A(256-18),XL4'11'
00000B5C  00000011


00000B60                               617 M8T6     DS    0F
00000B60  86                           618         DC    X'86'                       Test Num
00000B61  0000                         619         DC    X'00',X'00'
00000B63  80                           620         DC    X'80'                       M3: A=1,F=0,L=0,--=0
00000B64  00001658 00000100            621         DC    A(TRTOP1F0),A(256)          Source - Op 1 & length
00000B6C  00044158 00010000            622         DC    A(TRTOP8F0),A(K64)          Source - FC Table & length
                                       623 *                                         Target -
00000B74  00560000 0065FFF4            624         DC    A(5*MB+(6*K64)),A(6*MB+(6*K64)-12),A(0)  FC, Op1, Op1L
00000B7C  00000000
00000B80  AABBCCDD                     625         DC    A(REG2PATT)
00000B84  0000000A                     626         DC    A(10) CC1 or CC3
00000B88  0065FFF4 00000002            627         DC    A(6*MB+(6*K64)-12),A(2),XL4'F0'
00000B90  000000F0


00000B94                               629 M8T7     DS    0F
00000B94  87                           630         DC    X'87'                       Test Num
00000B95  0000                         631         DC    X'00',X'00'
00000B97  80                           632         DC    X'80'                       M3: A=1,F=0,L=0,--=0
00000B98  00001558 00000100            633         DC    A(TRTOP111),A(256)          Source - Op 1 & length
```

```
  LOC         OBJECT CODE      ADDR1     ADDR2     STMT

00000BA0  00024058 00010000                        634          DC      A(TRTOP811),A(K64)          Source - FC Table & length
                                                    635 *                                          Target -
00000BA8  0057FFE0 00680000                        636          DC      A(5*MB+(8*K64)-32),A(6*MB+(8*K64)),A(0)  FC, Op1, Op1L
00000BB0  00000000
00000BB4  AABBCCDD                                  637          DC      A(REG2PATT)
00000BB8  0000000B                                  638          DC      A(11) CC1
00000BBC  006800EC 000000EE                         639          DC      A(6*MB+(8*K64)+256-18-2),A(256-18),XL4'11'
00000BC4  00000011


00000BC8                                            641 M8T8     DS      0F
00000BC8  88                                        642          DC      X'88'                       Test Num
00000BC9  0000                                      643          DC      X'00',X'00'
00000BCB  80                                        644          DC      X'80'                       M3: A=1,F=0,L=0,--=0
00000BCC  00001758 00000200                         645          DC      A(TRTOP1F1),A(512)          Source - Op 1 & length
00000BD4  00064258 00010000                         646          DC      A(TRTOP8F1),A(K64)          Source - FC Table & length
                                                    647 *                                          Target -
00000BDC  0058FFE0 00690000                         648          DC      A(5*MB+(9*K64)-32),A(6*MB+(9*K64)),A(0)  FC, Op1, Op1L
00000BE4  00000000
00000BE8  AABBCCDD                                  649          DC      A(REG2PATT)
00000BEC  0000000B                                  650          DC      A(11) CC1
00000BF0  00690000 00000002                         651          DC      A(6*MB+(9*K64)),A(2),XL4'F1'
00000BF8  000000F1


00000BFC                                            653 M8T9     DS      0F
00000BFC  89                                        654          DC      X'89'                       Test Num
00000BFD  0000                                      655          DC      X'00',X'00'
00000BFF  80                                        656          DC      X'80'                       M3: A=1,F=0,L=0,--=0
00000C00  00001958 00000800                         657          DC      A(TRTO1L0),A(2048)          Source - Op 1 & length
00000C08  00003958 00010000                         658          DC      A(TRTOP20),A(K64)           Source - FC Table & length
                                                    659 *                                          Target -
00000C10  005A0000 006A0000                         660          DC      A(5*MB+(10*K64)),A(6*MB+(10*K64)),A(0)  FC, Op1, Op1L
00000C18  00000000
00000C1C  AABBCCDD                                  661          DC      A(REG2PATT)
00000C20  00000007                                  662          DC      A(7) CC0
00000C24  0069FFFE 00000000                         663          DC      A(6*MB+(10*K64)-2),A(0),XL4'00'
00000C2C  00000000


00000C30                                            665 M8T10    DS      0F
00000C30  8A                                        666          DC      X'8A'                       Test Num
00000C31  0000                                      667          DC      X'00',X'00'
00000C33  80                                        668          DC      X'80'                       M3: A=1,F=0,L=0,--=0
00000C34  00002158 00000800                         669          DC      A(TRTO1L11),A(2048)         Source - Op 1 & length
00000C3C  00024058 00010000                         670          DC      A(TRTOP811),A(K64)          Source - FC Table & length
                                                    671 *                                          Target -
00000C44  005C0000 006BFF39                         672          DC      A(5*MB+(12*K64)),A(6*MB+(12*K64)-199),A(0) FC, Op1, Op1L
00000C4C  00000000
00000C50  AABBCCDD                                  673          DC      A(REG2PATT)
```

```
 LOC        OBJECT CODE       ADDR1    ADDR2     STMT

00000C54  0000000A                              674          DC     A(10) CC1 or CC3
00000C58  006C0339 00000402                     675          DC     A(6*MB+(12*K64)-199+(4*256)),A(1026),XL4'11'
00000C60  00000011


00000C64                                        677 M8T11    DS     0F
00000C64  8B                                    678          DC     X'8B'                          Test Num
00000C65  0000                                  679          DC     X'00',X'00'
00000C67  80                                    680          DC     X'80'                          M3: A=1,F=0,L=0,--=0
00000C68  00002958 00000800                     681          DC     A(TRTO1LF0),A(2048)            Source - Op 1 & length
00000C70  00044158 00010000                     682          DC     A(TRTOP8F0),A(K64)             Source - FC Table & length
                                                683 *                                              Target -
00000C78  005DFFC1 006E0000                     684          DC     A(5*MB+(14*K64)-63),A(6*MB+(14*K64)),A(0) FC, Op1, Op1L
00000C80  00000000
00000C84  AABBCCDD                              685          DC     A(REG2PATT)
00000C88  0000000B                              686          DC     A(11) CC1
00000C8C  006E0000 00000002                     687          DC     A(6*MB+(14*K64)),A(2),XL4'F0'
00000C94  000000F0
```

```
  LOC        OBJECT CODE       ADDR1     ADDR2     STMT

                                                   689 ****************************************************************************
                                                   690 *        tests with    M3: A=1,F=0,L=1, reserved=0     (10)
                                                   691 *                          FC Table : SIZE: 256 (2 BYTE ARGUMENT)
                                                   692 *                                    Function Code is 1 byte
                                                   693 *                                    Limit arg to 255
                                                   694 *
                                                   695 *                  Note: Op1 length must be a multiple of 2
                                                   696 ****************************************************************************


00000C98                                           698 M10T1    DS    0F
00000C98   A1                                      699          DC    X'A1'                         Test Num
00000C99   0000                                    700          DC    X'00',X'00'
00000C9B   A0                                      701          DC    X'A0'                         M3: A=1,F=0,L=1,--=0
00000C9C   00001458 00000002                       702          DC    A(TRTOP10),A(002)             Source - Op 1 & length
00000CA4   00003958 00000100                       703          DC    A(TRTOP20),A(256)             Source - FC Table & length
                                                   704 *                                            Target -
00000CAC   00A00000 00B00000                       705          DC    A(10*MB+(0*K64)),A(11*MB+(0*K64)),A(0)  FC, Op1, Op1L
00000CB4   00000000
00000CB8   AABBCCDD                                706          DC    A(REG2PATT)
00000CBC   00000007                                707          DC    A(7) CC0
00000CC0   00AFFFFE 00000000                       708          DC    A(11*MB+(0*K64)-002),A(000),A(0)
00000CC8   00000000




00000CCC                                           710 M10T2    DS    0F
00000CCC   A2                                      711          DC    X'A2'                         Test Num
00000CCD   0000                                    712          DC    X'00',X'00'
00000CCF   A0                                      713          DC    X'A0'                         M3: A=1,F=0,L=1,--=0
00000CD0   00001458 00000004                       714          DC    A(TRTOP10),A(004)             Source - Op 1 & length
00000CD8   00003958 00000100                       715          DC    A(TRTOP20),A(256)             Source - FC Table & length
                                                   716 *                                            Target -
00000CE0   00A10000 00B10000                       717          DC    A(10*MB+(1*K64)),A(11*MB+(1*K64)),A(0)  FC, Op1, Op1L
00000CE8   00000000
00000CEC   AABBCCDD                                718          DC    A(REG2PATT)
00000CF0   00000007                                719          DC    A(7) CC0
00000CF4   00B0FFFE 00000000                       720          DC    A(11*MB+(1*K64)-002),A(000),A(0)
00000CFC   00000000




00000D00                                           722 M10T3    DS    0F
00000D00   A3                                      723          DC    X'A3'                         Test Num
00000D01   0000                                    724          DC    X'00',X'00'
00000D03   A0                                      725          DC    X'A0'                         M3: A=1,F=0,L=1,--=0
00000D04   00001458 00000008                       726          DC    A(TRTOP10),A(008)             Source - Op 1 & length
00000D0C   00003958 00000100                       727          DC    A(TRTOP20),A(256)             Source - FC Table & length
                                                   728 *                                            Target -
00000D14   00A20000 00B20000                       729          DC    A(10*MB+(2*K64)),A(11*MB+(2*K64)),A(0)  FC, Op1, Op1L
00000D1C   00000000
00000D20   AABBCCDD                                730          DC    A(REG2PATT)
00000D24   00000007                                731          DC    A(7) CC0
00000D28   00B1FFFE 00000000                       732          DC    A(11*MB+(2*K64)-002),A(000),A(0)
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00000D30   00000000


00000D34                                         734 M10T4    DS      0F
00000D34   A4                                    735          DC      X'A4'                     Test Num
00000D35   0000                                  736          DC      X'00',X'00'
00000D37   A0                                    737          DC      X'A0'                     M3: A=1,F=0,L=1,--=0
00000D38   00001458 00000100                     738          DC      A(TRTOP10),A(256)         Source - Op 1 & length
00000D40   00003958 00000100                     739          DC      A(TRTOP20),A(256)         Source - FC Table & length
                                                 740 *                                         Target -
00000D48   00A30000 00B30000                     741          DC      A(10*MB+(3*K64)),A(11*MB+(3*K64)),A(0)  FC, Op1, Op1L
00000D50   00000000
00000D54   AABBCCDD                              742          DC      A(REG2PATT)
00000D58   00000007                              743          DC      A(7) CC0
00000D5C   00B2FFFE 00000000                     744          DC      A(11*MB+(3*K64)-002),A(000),A(0)
00000D64   00000000


00000D68                                         746 M10T5    DS      0F
00000D68   A5                                    747          DC      X'A5'                     Test Num
00000D69   0000                                  748          DC      X'00',X'00'
00000D6B   A0                                    749          DC      X'A0'                     M3: A=1,F=0,L=1,--=0
00000D6C   00001558 00000100                     750          DC      A(TRTOP111),A(256)        Source - Op 1 & length
00000D74   00023A58 00000100                     751          DC      A(TRTOP211),A(256)        Source - FC Table & length
                                                 752 *                                         Target -
00000D7C   00A40000 00B3FFF4                     753          DC      A(10*MB+(4*K64)),A(11*MB+(4*K64)-12),A(0)  FC, Op1, Op1L
00000D84   00000000
00000D88   AABBCCDD                              754          DC      A(REG2PATT)
00000D8C   0000000A                              755          DC      A(10) CC1 or CC3
00000D90   00B400E0 000000EE                     756          DC      A(11*MB+(4*K64)-12+256-18-2),A(256-18),XL4'11'
00000D98   00000011


00000D9C                                         758 M10T6    DS      0F
00000D9C   A6                                    759          DC      X'A6'                     Test Num
00000D9D   0000                                  760          DC      X'00',X'00'
00000D9F   A0                                    761          DC      X'A0'                     M3: A=1,F=0,L=1,--=0
00000DA0   00001658 00000100                     762          DC      A(TRTOP1F0),A(256)        Source - Op 1 & length
00000DA8   00023B58 00000100                     763          DC      A(TRTOP2F0),A(256)        Source - FC Table & length
                                                 764 *                                         Target -
00000DB0   00A50000 00B4FFF4                     765          DC      A(10*MB+(5*K64)),A(11*MB+(5*K64)-12),A(0)  FC, Op1, Op1L
00000DB8   00000000
00000DBC   AABBCCDD                              766          DC      A(REG2PATT)
00000DC0   0000000A                              767          DC      A(10) CC1 or CC3
00000DC4   00B4FFF4 00000002                     768          DC      A(11*MB+(5*K64)-12),A(2),XL4'F0'
00000DCC   000000F0
```

```
 LOC        OBJECT CODE      ADDR1    ADDR2    STMT

00000DD0                              770 M10T7    DS    0F
00000DD0  A7                          771         DC    X'A7'                      Test Num
00000DD1  0000                        772         DC    X'00',X'00'
00000DD3  A0                          773         DC    X'A0'                      M3: A=1,F=0,L=1,--=0
00000DD4  00001558 00000100           774         DC    A(TRTOP111),A(256)         Source - Op 1 & length
00000DDC  00023A58 00000100           775         DC    A(TRTOP211),A(256)         Source - FC Table & length
                                      776 *                                       Target -
00000DE4  00A5FFE0 00B60000           777         DC    A(10*MB+(6*K64-32)),A(11*MB+(6*K64)),A(0)  FC, Op1, Op1L
00000DEC  00000000
00000DF0  AABBCCDD                    778         DC    A(REG2PATT)
00000DF4  0000000B                    779         DC    A(11) CC1
00000DF8  00B600EC 000000EE           780         DC    A(11*MB+(6*K64)+256-18-2),A(256-18),XL4'11'
00000E00  00000011


00000E04                              782 M10T8    DS    0F
00000E04  A8                          783         DC    X'A8'                      Test Num
00000E05  0000                        784         DC    X'00',X'00'
00000E07  A0                          785         DC    X'A0'                      M3: A=1,F=0,L=1,--=0
00000E08  00001758 00000200           786         DC    A(TRTOP1F1),A(512)         Source - Op 1 & length
00000E10  00064258 00000100           787         DC    A(TRTOP8F1),A(256)         Source - FC Table & length
                                      788 *                                       Target -
00000E18  00A70000 00B70000           789         DC    A(10*MB+(7*K64)),A(11*MB+(7*K64)),A(0)  FC, Op1, Op1L
00000E20  00000000
00000E24  AABBCCDD                    790         DC    A(REG2PATT)
00000E28  0000000B                    791         DC    A(11) CC1
00000E2C  00B70000 00000002           792         DC    A(11*MB+(7*K64)),A(2),XL4'F1'
00000E34  000000F1


00000E38                              794 M10T9    DS    0F
00000E38  A9                          795         DC    X'A9'                      Test Num
00000E39  0000                        796         DC    X'00',X'00'
00000E3B  A0                          797         DC    X'A0'                      M3: A=1,F=0,L=1,--=0
00000E3C  00001958 00000800           798         DC    A(TRTO1L0),A(2048)         Source - Op 1 & length
00000E44  00003958 00000100           799         DC    A(TRTOP20),A(256)          Source - FC Table & length
                                      800 *                                       Target -
00000E4C  00A80000 00B80000           801         DC    A(10*MB+(8*K64)),A(11*MB+(8*K64)),A(0)  FC, Op1, Op1L
00000E54  00000000
00000E58  AABBCCDD                    802         DC    A(REG2PATT)
00000E5C  00000007                    803         DC    A(7) CC0
00000E60  00B7FFFE 00000000           804         DC    A(11*MB+(8*K64)-2),A(0),XL4'00'
00000E68  00000000


00000E6C                              806 M10T10   DS    0F
00000E6C  AA                          807         DC    X'AA'                      Test Num
00000E6D  0000                        808         DC    X'00',X'00'
00000E6F  A0                          809         DC    X'A0'                      M3: A=1,F=0,L=1,--=0
00000E70  00002158 00000800           810         DC    A(TRTO1L11),A(2048)        Source - Op 1 & length
```

```
  LOC      OBJECT CODE     ADDR1    ADDR2    STMT

00000E78  00023A58 00000100                  811          DC    A(TRTOP211),A(256)          Source - FC Table & length
                                             812 *                                         Target -
00000E80  00A90000 00B8FF39                  813          DC    A(10*MB+(9*K64)),A(11*MB+(9*K64)-199),A(0) FC, Op1, Op1L
00000E88  00000000
00000E8C  AABBCCDD                           814          DC    A(REG2PATT)
00000E90  0000000A                           815          DC    A(10) CC1 or CC3
00000E94  00B90339 00000402                  816          DC    A(11*MB+(9*K64)-199+(4*256)),A(1026),XL4'11'
00000E9C  00000011


00000EA0                                     818 M10T11   DS    0F
00000EA0  AB                                 819          DC    X'AB'                       Test Num
00000EA1  0000                               820          DC    X'00',X'00'
00000EA3  A0                                 821          DC    X'A0'                       M3: A=1,F=0,L=1,--=0
00000EA4  00002958 00000800                  822          DC    A(TRTO1LF0),A(2048)         Source - Op 1 & length
00000EAC  00023B58 00000100                  823          DC    A(TRTOP2F0),A(256)          Source - FC Table & length
                                             824 *                                         Target - FC, Op1, Op1L
00000EB4  00A9FE1F 00BA0000                  825          DC    A(10*MB+(10*K64)-481),A(11*MB+(10*K64)),A(0)
00000EBC  00000000
00000EC0  AABBCCDD                           826          DC    A(REG2PATT)
00000EC4  0000000B                           827          DC    A(11) CC1
00000EC8  00BA0000 00000002                  828          DC    A(11*MB+(10*K64)),A(2),XL4'F0'
00000ED0  000000F0
```

```
   LOC        OBJECT CODE     ADDR1     ADDR2     STMT

                                              830 *****************************************************************************
                                              831 *        tests with   M3: A=1,F=1,L=0, reserved=0    (12)
                                              832 *                        FC Table : SIZE: 131,072 (2 BYTE ARGUMENT)
                                              833 *                                     Function Code is 2 bytes
                                              834 *
                                              835 *              Note: Op1 length must be a multiple of 2
                                              836 *****************************************************************************


00000ED4                                      838 M12T1     DS      0F
00000ED4  C1                                  839           DC      X'C1'                         Test Num
00000ED5  0000                                840           DC      X'00',X'00'
00000ED7  C0                                  841           DC      X'C0'                         M3: A=1,F=1,L=0,--=0
00000ED8  00001458 00000002                   842           DC      A(TRTOP10),A(002)             Source - Op 1 & length
00000EE0  00003958 00020000                   843           DC      A(TRTOP20),A(2*K64)           Source - FC Table & length
                                              844 *                                               Target -
00000EE8  00700000 00900000                   845           DC      A(7*MB+(0*K64)),A(9*MB+(0*K64)),A(0)  FC, Op1, Op1L
00000EF0  00000000
00000EF4  AABBCCDD                            846           DC      A(REG2PATT)
00000EF8  00000007                            847           DC      A(7) CC0
00000EFC  008FFFFE 00000000                   848           DC      A(9*MB+(0*K64)-002),A(000),A(0)
00000F04  00000000


00000F08                                      850 M12T2     DS      0F
00000F08  C2                                  851           DC      X'C2'                         Test Num
00000F09  0000                                852           DC      X'00',X'00'
00000F0B  C0                                  853           DC      X'C0'                         M3: A=1,F=1,L=0,--=0
00000F0C  00001458 00000004                   854           DC      A(TRTOP10),A(004)             Source - Op 1 & length
00000F14  00003958 00020000                   855           DC      A(TRTOP20),A(2*K64)           Source - FC Table & length
                                              856 *                                               Target -
00000F1C  00720000 00910000                   857           DC      A(7*MB+(2*K64)),A(9*MB+(1*K64)),A(0)  FC, Op1, Op1L
00000F24  00000000
00000F28  AABBCCDD                            858           DC      A(REG2PATT)
00000F2C  00000007                            859           DC      A(7) CC0
00000F30  0090FFFE 00000000                   860           DC      A(9*MB+(1*K64)-002),A(000),A(0)
00000F38  00000000


00000F3C                                      862 M12T3     DS      0F
00000F3C  C3                                  863           DC      X'C3'                         Test Num
00000F3D  0000                                864           DC      X'00',X'00'
00000F3F  C0                                  865           DC      X'C0'                         M3: A=1,F=1,L=0,--=0
00000F40  00001458 00000008                   866           DC      A(TRTOP10),A(008)             Source - Op 1 & length
00000F48  00003958 00020000                   867           DC      A(TRTOP20),A(2*K64)           Source - FC Table & length
                                              868 *                                               Target -
00000F50  00740000 00920000                   869           DC      A(7*MB+(4*K64)),A(9*MB+(2*K64)),A(0)  FC, Op1, Op1L
00000F58  00000000
00000F5C  AABBCCDD                            870           DC      A(REG2PATT)
00000F60  00000007                            871           DC      A(7) CC0
00000F64  0091FFFE 00000000                   872           DC      A(9*MB+(2*K64)-002),A(000),A(0)
00000F6C  00000000
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT


00000F70                                         874 M12T4    DS      0F
00000F70  C4                                     875         DC      X'C4'                     Test Num
00000F71  0000                                   876         DC      X'00',X'00'
00000F73  C0                                     877         DC      X'C0'                     M3: A=1,F=1,L=0,--=0
00000F74  00001458 00000100                      878         DC      A(TRTOP10),A(256)         Source - Op 1 & length
00000F7C  00003958 00020000                      879         DC      A(TRTOP20),A(2*K64)       Source - FC Table & length
                                                 880 *                                        Target -
00000F84  00760000 00930000                      881         DC      A(7*MB+(6*K64)),A(9*MB+(3*K64)),A(0)  FC, Op1, Op1L
00000F8C  00000000
00000F90  AABBCCDD                               882         DC      A(REG2PATT)
00000F94  00000007                               883         DC      A(7) CC0
00000F98  0092FFFE 00000000                      884         DC      A(9*MB+(3*K64)-002),A(000),A(0)
00000FA0  00000000


00000FA4                                         886 M12T5    DS      0F
00000FA4  C5                                     887         DC      X'C5'                     Test Num
00000FA5  0000                                   888         DC      X'00',X'00'
00000FA7  C0                                     889         DC      X'C0'                     M3: A=1,F=1,L=0,--=0
00000FA8  00001558 00000100                      890         DC      A(TRTOP111),A(256)        Source - Op 1 & length
00000FB0  00084358 00020000                      891         DC      A(TRTOPC11),A(2*K64)      Source - FC Table & length
                                                 892 *                                        Target -
00000FB8  00780000 0093FFF4                      893         DC      A(7*MB+(8*K64)),A(9*MB+(4*K64)-12),A(0)  FC, Op1, Op1L
00000FC0  00000000
00000FC4  AABBCCDD                               894         DC      A(REG2PATT)
00000FC8  0000000A                               895         DC      A(10) CC1 or CC3
00000FCC  009400E0 000000EE                       896         DC      A(9*MB+(4*K64)-12+256-18-2),A(256-18),XL4'11'
00000FD4  00000011


00000FD8                                         898 M12T6    DS      0F
00000FD8  C6                                     899         DC      X'C6'                     Test Num
00000FD9  0000                                   900         DC      X'00',X'00'
00000FDB  C0                                     901         DC      X'C0'                     M3: A=1,F=1,L=0,--=0
00000FDC  00001658 00000100                      902         DC      A(TRTOP1F0),A(256)        Source - Op 1 & length
00000FE4  000A437C 00020000                      903         DC      A(TRTOPCF0),A(2*K64)      Source - FC Table & length
                                                 904 *                                        Target -
00000FEC  007A0000 0094FFF4                      905         DC      A(7*MB+(10*K64)),A(9*MB+(5*K64)-12),A(0)  FC, Op1, Op1L
00000FF4  00000000
00000FF8  AABBCCDD                               906         DC      A(REG2PATT)
00000FFC  0000000A                               907         DC      A(10) CC1 or CC3
00001000  0094FFF4 00000002                      908         DC      A(9*MB+(5*K64)-12),A(2),XL4'F0'
00001008  000000F0


0000100C                                         910 M12T7    DS      0F
```

```
  LOC        OBJECT CODE     ADDR1     ADDR2     STMT

0000100C  C7                                     911           DC      X'C7'                       Test Num
0000100D  0000                                   912           DC      X'00',X'00'
0000100F  C0                                     913           DC      X'C0'                       M3: A=1,F=1,L=0,--=0
00001010  00001558 00000100                      914           DC      A(TRTOP111),A(256)          Source - Op 1 & length
00001018  00084358 00020000                      915           DC      A(TRTOPC11),A(2*K64)        Source - FC Table & length
                                                 916 *                                             Target -
00001020  007CFFE0 00960000                      917           DC      A(7*MB+(13*K64)-32),A(9*MB+(6*K64)),A(0)  FC, Op1, Op1L
00001028  00000000
0000102C  AABBCCDD                               918           DC      A(REG2PATT)
00001030  0000000B                               919           DC      A(11) CC1
00001034  009600EC 000000EE                      920           DC      A(9*MB+(6*K64)+256-18-2),A(256-18),XL4'11'
0000103C  00000011


00001040                                         922 M12T8     DS      0F
00001040  C8                                     923           DC      X'C8'                       Test Num
00001041  0000                                   924           DC      X'00',X'00'
00001043  C0                                     925           DC      X'C0'                       M3: A=1,F=1,L=0,--=0
00001044  00001758 00000200                      926           DC      A(TRTOP1F1),A(512)          Source - Op 1 & length
0000104C  000C457A 00020000                      927           DC      A(TRTOPCF1),A(2*K64)        Source - FC Table & length
                                                 928 *                                             Target -
00001054  007F0000 00970000                      929           DC      A(7*MB+(15*K64)),A(9*MB+(7*K64)),A(0)  FC, Op1, Op1L
0000105C  00000000
00001060  AABBCCDD                               930           DC      A(REG2PATT)
00001064  0000000B                               931           DC      A(11) CC1
00001068  00970000 00000002                      932           DC      A(9*MB+(7*K64)),A(2),XL4'F1'
00001070  000000F1


00001074                                         934 M12T9     DS      0F
00001074  C9                                     935           DC      X'C9'                       Test Num
00001075  0000                                   936           DC      X'00',X'00'
00001077  C0                                     937           DC      X'C0'                       M3: A=1,F=1,L=0,--=0
00001078  00001958 00000800                      938           DC      A(TRTO1L0),A(2048)          Source - Op 1 & length
00001080  00003958 00020000                      939           DC      A(TRTOP20),A(2*K64)         Source - FC Table & length
                                                 940 *                                             Target -
00001088  00810000 00980000                      941           DC      A(7*MB+(17*K64)),A(9*MB+(8*K64)),A(0)  FC, Op1, Op1L
00001090  00000000
00001094  AABBCCDD                               942           DC      A(REG2PATT)
00001098  00000007                               943           DC      A(7) CC0
0000109C  0097FFFE 00000000                      944           DC      A(9*MB+(8*K64)-2),A(0),XL4'00'
000010A4  00000000


000010A8                                         946 M12T10    DS      0F
000010A8  CA                                     947           DC      X'CA'                       Test Num
000010A9  0000                                   948           DC      X'00',X'00'
000010AB  C0                                     949           DC      X'C0'                       M3: A=1,F=1,L=0,--=0
000010AC  00002158 00000800                      950           DC      A(TRTO1L11),A(2048)         Source - Op 1 & length
000010B4  00084358 00020000                      951           DC      A(TRTOPC11),A(2*K64)        Source - FC Table & length
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

                                                  952 *                                              Target -
000010BC   00830000 0098FF39                      953          DC     A(7*MB+(19*K64)),A(9*MB+(9*K64)-199),A(0)  FC, Op1, Op1L
000010C4   00000000
000010C8   AABBCCDD                                954          DC     A(REG2PATT)
000010CC   0000000A                                955          DC     A(10) CC1 or CC3
000010D0   00990339 00000402                       956          DC     A(9*MB+(9*K64)-199+(4*256)),A(1026),XL4'11'
000010D8   00000011


000010DC                                           958 M12T11   DS     0F
000010DC   CB                                       959          DC     X'CB'                         Test Num
000010DD   0000                                     960          DC     X'00',X'00'
000010DF   C0                                       961          DC     X'C0'                         M3: A=1,F=1,L=0,--=0
000010E0   00002958 00000800                        962          DC     A(TRTO1LF0),A(2048)           Source - Op 1 & length
000010E8   000A437C 00020000                        963          DC     A(TRTOPCF0),A(2*K64)          Source - FC Table & length
                                                    964 *                                              Target -
000010F0   0085FE1F 009A0000                        965          DC     A(7*MB+(22*K64)-481),A(9*MB+(10*K64)),A(0) FC, Op1, Op1L
000010F8   00000000
000010FC   AABBCCDD                                 966          DC     A(REG2PATT)
00001100   0000000B                                 967          DC     A(11) CC1
00001104   009A0000 00000002                        968          DC     A(9*MB+(10*K64)),A(2),XL4'F0'
0000110C   000000F0


00001110                                            970 M12T12   DS     0F
00001110   CC                                        971          DC     X'CC'                         Test Num
00001111   0000                                      972          DC     X'00',X'00'
00001113   C0                                        973          DC     X'C0'                         M3: A=1,F=1,L=0,--=0
00001114   00003158 00000800                         974          DC     A(TRTO1LFF),A(2048)           Source - Op 1 & length
0000111C   000E477A 00020000                         975          DC     A(TRTOPCFF),A(2*K64)          Source - FC Table & length
                                                     976 *                                             Target -
00001124   0087FE1F 009B0000                         977          DC     A(7*MB+(24*K64)-481),A(9*MB+(11*K64)),A(0) FC, Op1, Op1L
0000112C   00000000
00001130   AABBCCDD                                  978          DC     A(REG2PATT)
00001134   0000000A                                  979          DC     A(10) CC1 or CC3
00001138   009B0000 00000002                         980          DC     A(9*MB+(11*K64)),A(2),XL4'FFF0'
00001140   0000FFF0
```

```
  LOC        OBJECT CODE       ADDR1     ADDR2     STMT

                                                    982 ****************************************************************************
                                                    983 *         tests with   M3: A=1,F=1,L=1, reserved=0     (14)
                                                    984 *                        FC Table : SIZE: 512 (2 BYTE ARGUMENT)
                                                    985 *                                    Function Code is 2 byte
                                                    986 *                                    Limit arg to 255
                                                    987 *
                                                    988 *              Note: Op1 length must be a multiple of 2
                                                    989 ****************************************************************************


00001144                                            991 M14T1    DS     0F
00001144  E1                                        992          DC     X'E1'                         Test Num
00001145  0000                                      993          DC     X'00',X'00'
00001147  E0                                        994          DC     X'E0'                         M3: A=1,F=1,L=1,--=0
00001148  00001458 00000002                         995          DC     A(TRTOP10),A(002)             Source - Op 1 & length
00001150  00003958 00000200                         996          DC     A(TRTOP20),A(512)             Source - FC Table & length
                                                    997 *                                            Target -
00001158  00B00000 00C00000                         998          DC     A(11*MB+(0*K64)),A(12*MB+(0*K64)),A(0)  FC, Op1, Op1L
00001160  00000000
00001164  AABBCCDD                                   999          DC     A(REG2PATT)
00001168  00000007                                  1000          DC     A(7) CC0
0000116C  00BFFFFE 00000000                         1001          DC     A(12*MB+(0*K64)-002),A(000),A(0)
00001174  00000000



00001178                                           1003 M14T2    DS     0F
00001178  E2                                        1004          DC     X'E2'                         Test Num
00001179  0000                                      1005          DC     X'00',X'00'
0000117B  E0                                        1006          DC     X'E0'                         M3: A=1,F=1,L=1,--=0
0000117C  00001458 00000004                         1007          DC     A(TRTOP10),A(004)             Source - Op 1 & length
00001184  00003958 00000200                         1008          DC     A(TRTOP20),A(512)             Source - FC Table & length
                                                   1009 *                                            Target -
0000118C  00B10000 00C10000                         1010          DC     A(11*MB+(1*K64)),A(12*MB+(1*K64)),A(0)  FC, Op1, Op1L
00001194  00000000
00001198  AABBCCDD                                  1011          DC     A(REG2PATT)
0000119C  00000007                                  1012          DC     A(7) CC0
000011A0  00C0FFFE 00000000                         1013          DC     A(12*MB+(1*K64)-002),A(000),A(0)
000011A8  00000000



000011AC                                           1015 M14T3    DS     0F
000011AC  E3                                        1016          DC     X'E3'                         Test Num
000011AD  0000                                      1017          DC     X'00',X'00'
000011AF  E0                                        1018          DC     X'E0'                         M3: A=1,F=1,L=1,--=0
000011B0  00001458 00000008                         1019          DC     A(TRTOP10),A(008)             Source - Op 1 & length
000011B8  00003958 00000200                         1020          DC     A(TRTOP20),A(512)             Source - FC Table & length
                                                   1021 *                                            Target -
000011C0  00B20000 00C20000                         1022          DC     A(11*MB+(2*K64)),A(12*MB+(2*K64)),A(0)  FC, Op1, Op1L
000011C8  00000000
000011CC  AABBCCDD                                  1023          DC     A(REG2PATT)
000011D0  00000007                                  1024          DC     A(7) CC0
000011D4  00C1FFFE 00000000                         1025          DC     A(12*MB+(2*K64)-002),A(000),A(0)
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

000011DC   00000000


000011E0                               1027 M14T4    DS      0F
000011E0   E4                          1028          DC      X'E4'                          Test Num
000011E1   0000                        1029          DC      X'00',X'00'
000011E3   E0                          1030          DC      X'E0'                          M3: A=1,F=1,L=1,--=0
000011E4   00001458 00000100           1031          DC      A(TRTOP10),A(256)              Source - Op 1 & length
000011EC   00003958 00000200           1032          DC      A(TRTOP20),A(512)              Source - FC Table & length
                                       1033 *                                               Target -
000011F4   00B30000 00C30000           1034          DC      A(11*MB+(3*K64)),A(12*MB+(3*K64)),A(0)  FC, Op1, Op1L
000011FC   00000000
00001200   AABBCCDD                    1035          DC      A(REG2PATT)
00001204   00000007                    1036          DC      A(7) CC0
00001208   00C2FFFE 00000000           1037          DC      A(12*MB+(3*K64)-002),A(000),A(0)
00001210   00000000


00001214                               1039 M14T5    DS      0F
00001214   E5                          1040          DC      X'E5'                          Test Num
00001215   0000                        1041          DC      X'00',X'00'
00001217   E0                          1042          DC      X'E0'                          M3: A=1,F=1,L=1,--=0
00001218   00001558 00000100           1043          DC      A(TRTOP111),A(256)             Source - Op 1 & length
00001220   00023C58 00000200           1044          DC      A(TRTOP411),A(512)             Source - FC Table & length
                                       1045 *                                               Target -
00001228   00B40000 00C3FFF4           1046          DC      A(11*MB+(4*K64)),A(12*MB+(4*K64)-12),A(0)  FC, Op1, Op1L
00001230   00000000
00001234   AABBCCDD                    1047          DC      A(REG2PATT)
00001238   0000000A                    1048          DC      A(10) CC1 or CC3
0000123C   00C400E0 000000EE           1049          DC      A(12*MB+(4*K64)-12+256-18-2),A(256-18),XL4'11'
00001244   00000011


00001248                               1051 M14T6    DS      0F
00001248   E6                          1052          DC      X'E6'                          Test Num
00001249   0000                        1053          DC      X'00',X'00'
0000124B   E0                          1054          DC      X'E0'                          M3: A=1,F=1,L=1,--=0
0000124C   00001658 00000100           1055          DC      A(TRTOP1F0),A(256)             Source - Op 1 & length
00001254   00023E58 00000200           1056          DC      A(TRTOP4F0),A(512)             Source - FC Table & length
                                       1057 *                                               Target -
0000125C   00B50000 00C4FFF4           1058          DC      A(11*MB+(5*K64)),A(12*MB+(5*K64)-12),A(0)  FC, Op1, Op1L
00001264   00000000
00001268   AABBCCDD                    1059          DC      A(REG2PATT)
0000126C   0000000A                    1060          DC      A(10) CC1 or CC3
00001270   00C4FFF4 00000002           1061          DC      A(12*MB+(5*K64)-12),A(2),XL4'F0'
00001278   000000F0
```

```
  LOC        OBJECT CODE      ADDR1    ADDR2    STMT

0000127C                              1063 M14T7    DS    0F
0000127C  E7                          1064         DC    X'E7'                    Test Num
0000127D  0000                        1065         DC    X'00',X'00'
0000127F  E0                          1066         DC    X'E0'                    M3: A=1,F=1,L=1,--=0
00001280  00001558 00000100           1067         DC    A(TRTOP111),A(256)       Source - Op 1 & length
00001288  00023C58 00000200           1068         DC    A(TRTOP411),A(512)       Source - FC Table & length
                                      1069 *                                      Target -
00001290  00B5FFE0 00C60000           1070         DC    A(11*MB+(6*K64)-32),A(12*MB+(6*K64)),A(0)  FC, Op1, Op1L
00001298  00000000
0000129C  AABBCCDD                    1071         DC    A(REG2PATT)
000012A0  0000000B                    1072         DC    A(11) CC1
000012A4  00C600EC 000000EE           1073         DC    A(12*MB+(6*K64)+256-18-2),A(256-18),XL4'11'
000012AC  00000011


000012B0                              1075 M14T8    DS    0F
000012B0  E8                          1076         DC    X'E8'                    Test Num
000012B1  0000                        1077         DC    X'00',X'00'
000012B3  E0                          1078         DC    X'E0'                    M3: A=1,F=1,L=1,--=0
000012B4  00001758 00000200           1079         DC    A(TRTOP1F1),A(512)       Source - Op 1 & length
000012BC  000C457A 00000200           1080         DC    A(TRTOPCF1),A(512)       Source - FC Table & length
                                      1081 *                                      Target -
000012C4  00B70000 00C70000           1082         DC    A(11*MB+(7*K64)),A(12*MB+(7*K64)),A(0)  FC, Op1, Op1L
000012CC  00000000
000012D0  AABBCCDD                    1083         DC    A(REG2PATT)
000012D4  0000000B                    1084         DC    A(11) CC1
000012D8  00C70000 00000002           1085         DC    A(12*MB+(7*K64)),A(2),XL4'F1'
000012E0  000000F1


000012E4                              1087 M14T9    DS    0F
000012E4  E9                          1088         DC    X'E9'                    Test Num
000012E5  0000                        1089         DC    X'00',X'00'
000012E7  E0                          1090         DC    X'E0'                    M3: A=1,F=1,L=1,--=0
000012E8  00001958 00000800           1091         DC    A(TRTO1L0),A(2048)       Source - Op 1 & length
000012F0  00003958 00000200           1092         DC    A(TRTOP20),A(512)        Source - FC Table & length
                                      1093 *                                      Target -
000012F8  00B80000 00C80000           1094         DC    A(11*MB+(8*K64)),A(12*MB+(8*K64)),A(0)  FC, Op1, Op1L
00001300  00000000
00001304  AABBCCDD                    1095         DC    A(REG2PATT)
00001308  00000007                    1096         DC    A(7) CC0
0000130C  00C7FFFE 00000000           1097         DC    A(12*MB+(8*K64)-2),A(000),A(0)
00001314  00000000


00001318                              1099 M14T10   DS    0F
00001318  EA                          1100         DC    X'EA'                    Test Num
00001319  0000                        1101         DC    X'00',X'00'
0000131B  E0                          1102         DC    X'E0'                    M3: A=1,F=1,L=1,--=0
0000131C  00002158 00000800           1103         DC    A(TRTO1L11),A(2048)      Source - Op 1 & length
```

```
 LOC        OBJECT CODE      ADDR1    ADDR2     STMT

00001324  00023C58 00000200                    1104           DC    A(TRTOP411),A(512)          Source - FC Table & length
                                               1105 *                                          Target -
0000132C  00B90000 00C8FF38                    1106           DC    A(11*MB+(9*K64)),A(12*MB+(9*K64)-200),A(0) FC, Op1, Op1L
00001334  00000000
00001338  AABBCCDD                             1107           DC    A(REG2PATT)
0000133C  0000000A                             1108           DC    A(10) CC1 or CC3
00001340  00C90338 00000402                    1109           DC    A(12*MB+(9*K64)-200+(4*256)),A(1026),XL4'11'
00001348  00000011


0000134C                                       1111 M14T11   DS    0F
0000134C  EB                                   1112           DC    X'EB'                       Test Num
0000134D  0000                                 1113           DC    X'00',X'00'
0000134F  E0                                   1114           DC    X'E0'                       M3: A=1,F=1,L=1,--=0
00001350  00002958 00000800                    1115           DC    A(TRTO1LF0),A(2048)         Source - Op 1 & length
00001358  00023E58 00000200                    1116           DC    A(TRTOP4F0),A(512)          Source - FC Table & length
                                               1117 *                                          Target -  FC, Op1, Op1L
00001360  00B9FFC0 00CA0000                    1118           DC    A(11*MB+(10*K64)-64),A(12*MB+(10*K64)),A(0)
00001368  00000000
0000136C  AABBCCDD                             1119           DC    A(REG2PATT)
00001370  0000000B                             1120           DC    A(11) CC1
00001374  00CA0000 00000002                    1121           DC    A(12*MB+(10*K64)),A(2),XL4'F0'
0000137C  000000F0
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

                                                  1123 ****************************************************************************
                                                  1124 *          Check performance tests are valid.
                                                  1125 *          tests with   M3: A=1,F=1,L=0, reserved=0    (12)
                                                  1126 *                          FC Table : SIZE: 131,072 (2 BYTE ARGUMENT)
                                                  1127 *                                  Function Code is 2 bytes
                                                  1128 *
                                                  1129 *                Note: Op1 length must be a multiple of 2
                                                  1130 ****************************************************************************


00001380                                          1132 F12T8      DS     0F
00001380   F8                                     1133            DC     X'F8'                     Test Num
00001381   0000                                   1134            DC     X'00',X'00'
00001383   C0                                     1135            DC     X'C0'                     M3: A=1,F=1,L=0,--=0
00001384   00001758 00000200                      1136            DC     A(TRTOP1F1),A(512)        Source - Op 1 & length
0000138C   000C457A 00020000                      1137            DC     A(TRTOPCF1),A(2*K64)      Source - FC Table & length
                                                  1138 *                                          Target -
00001394   00710000 00910000                      1139            DC     A(7*MB+(1*K64)),A(9*MB+(1*K64)),A(0)  FC, Op1, Op1L
0000139C   00000000
000013A0   AABBCCDD                               1140            DC     A(REG2PATT)
000013A4   0000000B                               1141            DC     A(11) CC1
000013A8   00910000 00000002                      1142            DC     A(9*MB+(1*K64)),A(2),XL4'F1'
000013B0   000000F1


000013B4                                          1144 F12T8A     DS     0F
000013B4   F9                                     1145            DC     X'F9'                     Test Num
000013B5   0000                                   1146            DC     X'00',X'00'
000013B7   C0                                     1147            DC     X'C0'                     M3: A=1,F=1,L=0,--=0
000013B8   00001758 00000200                      1148            DC     A(TRTOP1F1),A(512)        Source - Op 1 & length
000013C0   000C457A 00020000                      1149            DC     A(TRTOPCF1),A(2*K64)      Source - FC Table & length
                                                  1150 *                                          Target - FC, Op1, Op1L
000013C8   0072FF81 0092FF81                      1151            DC     A(7*MB+(3*K64)-127),A(9*MB+(3*K64)-127),A(0)
000013D0   00000000
000013D4   AABBCCDD                               1152            DC     A(REG2PATT)
000013D8   0000000A                               1153            DC     A(10) CC1 or CC3
000013DC   0092FF81 00000002                      1154            DC     A(9*MB+(3*K64)-127),A(2),XL4'F1'
000013E4   000000F1


000013E8                                          1156 F12T11     DS     0F
000013E8   FB                                     1157            DC     X'FB'                     Test Num
000013E9   0000                                   1158            DC     X'00',X'00'
000013EB   C0                                     1159            DC     X'C0'                     M3: A=1,F=1,L=0,--=0
000013EC   00002958 00000800                      1160            DC     A(TRTO1LF0),A(2048)       Source - Op 1 & length
000013F4   000A437C 00020000                      1161            DC     A(TRTOPCF0),A(2*K64)      Source - FC Table & length
                                                  1162 *                                          Target -
000013FC   00760000 00960000                      1163            DC     A(7*MB+(6*K64)),A(9*MB+(6*K64)),A(0) FC, Op1, Op1L
00001404   00000000
00001408   AABBCCDD                               1164            DC     A(REG2PATT)
0000140C   0000000B                               1165            DC     A(11) CC1
00001410   00960000 00000002                      1166            DC     A(9*MB+(6*K64)),A(2),XL4'F0'
```

```
 LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00001418  000000F0


0000141C                               1168 F12T11A  DS    0F
0000141C  FC                           1169          DC    X'FC'                       Test Num
0000141D  0000                         1170          DC    X'00',X'00'
0000141F  C0                           1171          DC    X'C0'                       M3: A=1,F=1,L=0,--=0
00001420  00002958 00000800            1172          DC    A(TRTO1LF0),A(2048)         Source - Op 1 & length
00001428  000A437C 00020000            1173          DC    A(TRTOPCF0),A(2*K64)        Source - FC Table & length
                                       1174 *                                         Target - FC, Op1, Op1L
00001430  0078FE1F 0098FE1F            1175          DC    A(7*MB+(9*K64)-481),A(9*MB+(9*K64)-481),A(0)
00001438  00000000
0000143C  AABBCCDD                     1176          DC    A(REG2PATT)
00001440  0000000A                     1177          DC    A(10) CC1 or CC3
00001444  0098FE1F 00000002            1178          DC    A(9*MB+(9*K64)-481),A(2),XL4'F0'
0000144C  000000F0


00001450  00000000                     1180          DC    A(0)     end of table
00001454  00000000                     1181          DC    A(0)     end of table
```

```
  LOC         OBJECT CODE       ADDR1     ADDR2     STMT

                                                    1183 *****************************************************************
                                                    1184 *        TRTRE op1 scan data...
                                                    1185 *****************************************************************

00001458    78125634 78125634                       1187 TRTOP10  DC     64XL4'78125634'       (CC0)
00001460    78125634 78125634
00001468    78125634 78125634
00001470    78125634 78125634
00001478    78125634 78125634
00001480    78125634 78125634
00001488    78125634 78125634
00001490    78125634 78125634
00001498    78125634 78125634
000014A0    78125634 78125634
000014A8    78125634 78125634
000014B0    78125634 78125634
000014B8    78125634 78125634
000014C0    78125634 78125634
000014C8    78125634 78125634
000014D0    78125634 78125634
000014D8    78125634 78125634
000014E0    78125634 78125634
000014E8    78125634 78125634
000014F0    78125634 78125634
000014F8    78125634 78125634
00001500    78125634 78125634
00001508    78125634 78125634
00001510    78125634 78125634
00001518    78125634 78125634
00001520    78125634 78125634
00001528    78125634 78125634
00001530    78125634 78125634
00001538    78125634 78125634
00001540    78125634 78125634
00001548    78125634 78125634
00001550    78125634 78125634

00001558    78125634 78125634                       1189 TRTOP111 DC     59XL4'78125634',X'00110000',04XL4'78125634'    (CC1)
00001560    78125634 78125634
00001568    78125634 78125634
00001570    78125634 78125634
00001578    78125634 78125634
00001580    78125634 78125634
00001588    78125634 78125634
00001590    78125634 78125634
00001598    78125634 78125634
000015A0    78125634 78125634
000015A8    78125634 78125634
000015B0    78125634 78125634
000015B8    78125634 78125634
000015C0    78125634 78125634
000015C8    78125634 78125634
000015D0    78125634 78125634
000015D8    78125634 78125634
000015E0    78125634 78125634
000015E8    78125634 78125634
```

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  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

000015F0  78125634 78125634
000015F8  78125634 78125634
00001600  78125634 78125634
00001608  78125634 78125634
00001610  78125634 78125634
00001618  78125634 78125634
00001620  78125634 78125634
00001628  78125634 78125634
00001630  78125634 78125634
00001638  78125634 78125634
00001640  78125634 00110000
00001648  78125634 78125634
00001650  78125634 78125634

00001658  00F00000 78125634                         1191 TRTOP1F0 DC    X'00F00000',63XL4'78125634'    (CC1)
00001660  78125634 78125634
00001668  78125634 78125634
00001670  78125634 78125634
00001678  78125634 78125634
00001680  78125634 78125634
00001688  78125634 78125634
00001690  78125634 78125634
00001698  78125634 78125634
000016A0  78125634 78125634
000016A8  78125634 78125634
000016B0  78125634 78125634
000016B8  78125634 78125634
000016C0  78125634 78125634
000016C8  78125634 78125634
000016D0  78125634 78125634
000016D8  78125634 78125634
000016E0  78125634 78125634
000016E8  78125634 78125634
000016F0  78125634 78125634
000016F8  78125634 78125634
00001700  78125634 78125634
00001708  78125634 78125634
00001710  78125634 78125634
00001718  78125634 78125634
00001720  78125634 78125634
00001728  78125634 78125634
00001730  78125634 78125634
00001738  78125634 78125634
00001740  78125634 78125634
00001748  78125634 78125634
00001750  78125634 78125634

00001758  00F10000 78125634                         1193 TRTOP1F1 DC    X'00F10000',127XL4'78125634'   (CC1)
00001760  78125634 78125634
00001768  78125634 78125634
00001770  78125634 78125634
00001778  78125634 78125634
00001780  78125634 78125634
00001788  78125634 78125634
00001790  78125634 78125634
00001798  78125634 78125634
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
000017A0	78125634 78125634			
000017A8	78125634 78125634			
000017B0	78125634 78125634			
000017B8	78125634 78125634			
000017C0	78125634 78125634			
000017C8	78125634 78125634			
000017D0	78125634 78125634			
000017D8	78125634 78125634			
000017E0	78125634 78125634			
000017E8	78125634 78125634			
000017F0	78125634 78125634			
000017F8	78125634 78125634			
00001800	78125634 78125634			
00001808	78125634 78125634			
00001810	78125634 78125634			
00001818	78125634 78125634			
00001820	78125634 78125634			
00001828	78125634 78125634			
00001830	78125634 78125634			
00001838	78125634 78125634			
00001840	78125634 78125634			
00001848	78125634 78125634			
00001850	78125634 78125634			
00001858	78125634 78125634			
00001860	78125634 78125634			
00001868	78125634 78125634			
00001870	78125634 78125634			
00001878	78125634 78125634			
00001880	78125634 78125634			
00001888	78125634 78125634			
00001890	78125634 78125634			
00001898	78125634 78125634			
000018A0	78125634 78125634			
000018A8	78125634 78125634			
000018B0	78125634 78125634			
000018B8	78125634 78125634			
000018C0	78125634 78125634			
000018C8	78125634 78125634			
000018D0	78125634 78125634			
000018D8	78125634 78125634			
000018E0	78125634 78125634			
000018E8	78125634 78125634			
000018F0	78125634 78125634			
000018F8	78125634 78125634			
00001900	78125634 78125634			
00001908	78125634 78125634			
00001910	78125634 78125634			
00001918	78125634 78125634			
00001920	78125634 78125634			
00001928	78125634 78125634			
00001930	78125634 78125634			
00001938	78125634 78125634			
00001940	78125634 78125634			
00001948	78125634 78125634			
00001950	78125634 78125634			

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 LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00001958   98765432 98765432                     1195 TRTO1L0  DC    512XL4'98765432'    (CC0)
00001960   98765432 98765432
00001968   98765432 98765432
00001970   98765432 98765432
00001978   98765432 98765432
00001980   98765432 98765432
00001988   98765432 98765432
00001990   98765432 98765432
00001998   98765432 98765432
000019A0   98765432 98765432
000019A8   98765432 98765432
000019B0   98765432 98765432
000019B8   98765432 98765432
000019C0   98765432 98765432
000019C8   98765432 98765432
000019D0   98765432 98765432
000019D8   98765432 98765432
000019E0   98765432 98765432
000019E8   98765432 98765432
000019F0   98765432 98765432
000019F8   98765432 98765432
00001A00   98765432 98765432
00001A08   98765432 98765432
00001A10   98765432 98765432
00001A18   98765432 98765432
00001A20   98765432 98765432
00001A28   98765432 98765432
00001A30   98765432 98765432
00001A38   98765432 98765432
00001A40   98765432 98765432
00001A48   98765432 98765432
00001A50   98765432 98765432
00001A58   98765432 98765432
00001A60   98765432 98765432
00001A68   98765432 98765432
00001A70   98765432 98765432
00001A78   98765432 98765432
00001A80   98765432 98765432
00001A88   98765432 98765432
00001A90   98765432 98765432
00001A98   98765432 98765432
00001AA0   98765432 98765432
00001AA8   98765432 98765432
00001AB0   98765432 98765432
00001AB8   98765432 98765432
00001AC0   98765432 98765432
00001AC8   98765432 98765432
00001AD0   98765432 98765432
00001AD8   98765432 98765432
00001AE0   98765432 98765432
00001AE8   98765432 98765432
00001AF0   98765432 98765432
00001AF8   98765432 98765432
00001B00   98765432 98765432
00001B08   98765432 98765432
00001B10   98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00001B18   98765432 98765432
00001B20   98765432 98765432
00001B28   98765432 98765432
00001B30   98765432 98765432
00001B38   98765432 98765432
00001B40   98765432 98765432
00001B48   98765432 98765432
00001B50   98765432 98765432
00001B58   98765432 98765432
00001B60   98765432 98765432
00001B68   98765432 98765432
00001B70   98765432 98765432
00001B78   98765432 98765432
00001B80   98765432 98765432
00001B88   98765432 98765432
00001B90   98765432 98765432
00001B98   98765432 98765432
00001BA0   98765432 98765432
00001BA8   98765432 98765432
00001BB0   98765432 98765432
00001BB8   98765432 98765432
00001BC0   98765432 98765432
00001BC8   98765432 98765432
00001BD0   98765432 98765432
00001BD8   98765432 98765432
00001BE0   98765432 98765432
00001BE8   98765432 98765432
00001BF0   98765432 98765432
00001BF8   98765432 98765432
00001C00   98765432 98765432
00001C08   98765432 98765432
00001C10   98765432 98765432
00001C18   98765432 98765432
00001C20   98765432 98765432
00001C28   98765432 98765432
00001C30   98765432 98765432
00001C38   98765432 98765432
00001C40   98765432 98765432
00001C48   98765432 98765432
00001C50   98765432 98765432
00001C58   98765432 98765432
00001C60   98765432 98765432
00001C68   98765432 98765432
00001C70   98765432 98765432
00001C78   98765432 98765432
00001C80   98765432 98765432
00001C88   98765432 98765432
00001C90   98765432 98765432
00001C98   98765432 98765432
00001CA0   98765432 98765432
00001CA8   98765432 98765432
00001CB0   98765432 98765432
00001CB8   98765432 98765432
00001CC0   98765432 98765432
00001CC8   98765432 98765432
00001CD0   98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00001CD8  98765432 98765432
00001CE0  98765432 98765432
00001CE8  98765432 98765432
00001CF0  98765432 98765432
00001CF8  98765432 98765432
00001D00  98765432 98765432
00001D08  98765432 98765432
00001D10  98765432 98765432
00001D18  98765432 98765432
00001D20  98765432 98765432
00001D28  98765432 98765432
00001D30  98765432 98765432
00001D38  98765432 98765432
00001D40  98765432 98765432
00001D48  98765432 98765432
00001D50  98765432 98765432
00001D58  98765432 98765432
00001D60  98765432 98765432
00001D68  98765432 98765432
00001D70  98765432 98765432
00001D78  98765432 98765432
00001D80  98765432 98765432
00001D88  98765432 98765432
00001D90  98765432 98765432
00001D98  98765432 98765432
00001DA0  98765432 98765432
00001DA8  98765432 98765432
00001DB0  98765432 98765432
00001DB8  98765432 98765432
00001DC0  98765432 98765432
00001DC8  98765432 98765432
00001DD0  98765432 98765432
00001DD8  98765432 98765432
00001DE0  98765432 98765432
00001DE8  98765432 98765432
00001DF0  98765432 98765432
00001DF8  98765432 98765432
00001E00  98765432 98765432
00001E08  98765432 98765432
00001E10  98765432 98765432
00001E18  98765432 98765432
00001E20  98765432 98765432
00001E28  98765432 98765432
00001E30  98765432 98765432
00001E38  98765432 98765432
00001E40  98765432 98765432
00001E48  98765432 98765432
00001E50  98765432 98765432
00001E58  98765432 98765432
00001E60  98765432 98765432
00001E68  98765432 98765432
00001E70  98765432 98765432
00001E78  98765432 98765432
00001E80  98765432 98765432
00001E88  98765432 98765432
00001E90  98765432 98765432
```

```
  LOC         OBJECT CODE        ADDR1     ADDR2     STMT

00001E98  98765432 98765432
00001EA0  98765432 98765432
00001EA8  98765432 98765432
00001EB0  98765432 98765432
00001EB8  98765432 98765432
00001EC0  98765432 98765432
00001EC8  98765432 98765432
00001ED0  98765432 98765432
00001ED8  98765432 98765432
00001EE0  98765432 98765432
00001EE8  98765432 98765432
00001EF0  98765432 98765432
00001EF8  98765432 98765432
00001F00  98765432 98765432
00001F08  98765432 98765432
00001F10  98765432 98765432
00001F18  98765432 98765432
00001F20  98765432 98765432
00001F28  98765432 98765432
00001F30  98765432 98765432
00001F38  98765432 98765432
00001F40  98765432 98765432
00001F48  98765432 98765432
00001F50  98765432 98765432
00001F58  98765432 98765432
00001F60  98765432 98765432
00001F68  98765432 98765432
00001F70  98765432 98765432
00001F78  98765432 98765432
00001F80  98765432 98765432
00001F88  98765432 98765432
00001F90  98765432 98765432
00001F98  98765432 98765432
00001FA0  98765432 98765432
00001FA8  98765432 98765432
00001FB0  98765432 98765432
00001FB8  98765432 98765432
00001FC0  98765432 98765432
00001FC8  98765432 98765432
00001FD0  98765432 98765432
00001FD8  98765432 98765432
00001FE0  98765432 98765432
00001FE8  98765432 98765432
00001FF0  98765432 98765432
00001FF8  98765432 98765432
00002000  98765432 98765432
00002008  98765432 98765432
00002010  98765432 98765432
00002018  98765432 98765432
00002020  98765432 98765432
00002028  98765432 98765432
00002030  98765432 98765432
00002038  98765432 98765432
00002040  98765432 98765432
00002048  98765432 98765432
00002050  98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00002058  98765432 98765432
00002060  98765432 98765432
00002068  98765432 98765432
00002070  98765432 98765432
00002078  98765432 98765432
00002080  98765432 98765432
00002088  98765432 98765432
00002090  98765432 98765432
00002098  98765432 98765432
000020A0  98765432 98765432
000020A8  98765432 98765432
000020B0  98765432 98765432
000020B8  98765432 98765432
000020C0  98765432 98765432
000020C8  98765432 98765432
000020D0  98765432 98765432
000020D8  98765432 98765432
000020E0  98765432 98765432
000020E8  98765432 98765432
000020F0  98765432 98765432
000020F8  98765432 98765432
00002100  98765432 98765432
00002108  98765432 98765432
00002110  98765432 98765432
00002118  98765432 98765432
00002120  98765432 98765432
00002128  98765432 98765432
00002130  98765432 98765432
00002138  98765432 98765432
00002140  98765432 98765432
00002148  98765432 98765432
00002150  98765432 98765432

00002158  98765432 98765432                      1197 TRTO1L11 DC    256XL4'98765432',X'00110000',255XL4'98765432'    (CC1)
00002160  98765432 98765432
00002168  98765432 98765432
00002170  98765432 98765432
00002178  98765432 98765432
00002180  98765432 98765432
00002188  98765432 98765432
00002190  98765432 98765432
00002198  98765432 98765432
000021A0  98765432 98765432
000021A8  98765432 98765432
000021B0  98765432 98765432
000021B8  98765432 98765432
000021C0  98765432 98765432
000021C8  98765432 98765432
000021D0  98765432 98765432
000021D8  98765432 98765432
000021E0  98765432 98765432
000021E8  98765432 98765432
000021F0  98765432 98765432
000021F8  98765432 98765432
00002200  98765432 98765432
00002208  98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00002210   98765432 98765432
00002218   98765432 98765432
00002220   98765432 98765432
00002228   98765432 98765432
00002230   98765432 98765432
00002238   98765432 98765432
00002240   98765432 98765432
00002248   98765432 98765432
00002250   98765432 98765432
00002258   98765432 98765432
00002260   98765432 98765432
00002268   98765432 98765432
00002270   98765432 98765432
00002278   98765432 98765432
00002280   98765432 98765432
00002288   98765432 98765432
00002290   98765432 98765432
00002298   98765432 98765432
000022A0   98765432 98765432
000022A8   98765432 98765432
000022B0   98765432 98765432
000022B8   98765432 98765432
000022C0   98765432 98765432
000022C8   98765432 98765432
000022D0   98765432 98765432
000022D8   98765432 98765432
000022E0   98765432 98765432
000022E8   98765432 98765432
000022F0   98765432 98765432
000022F8   98765432 98765432
00002300   98765432 98765432
00002308   98765432 98765432
00002310   98765432 98765432
00002318   98765432 98765432
00002320   98765432 98765432
00002328   98765432 98765432
00002330   98765432 98765432
00002338   98765432 98765432
00002340   98765432 98765432
00002348   98765432 98765432
00002350   98765432 98765432
00002358   98765432 98765432
00002360   98765432 98765432
00002368   98765432 98765432
00002370   98765432 98765432
00002378   98765432 98765432
00002380   98765432 98765432
00002388   98765432 98765432
00002390   98765432 98765432
00002398   98765432 98765432
000023A0   98765432 98765432
000023A8   98765432 98765432
000023B0   98765432 98765432
000023B8   98765432 98765432
000023C0   98765432 98765432
000023C8   98765432 98765432
```

```
  LOC        OBJECT CODE        ADDR1     ADDR2     STMT

000023D0   98765432 98765432
000023D8   98765432 98765432
000023E0   98765432 98765432
000023E8   98765432 98765432
000023F0   98765432 98765432
000023F8   98765432 98765432
00002400   98765432 98765432
00002408   98765432 98765432
00002410   98765432 98765432
00002418   98765432 98765432
00002420   98765432 98765432
00002428   98765432 98765432
00002430   98765432 98765432
00002438   98765432 98765432
00002440   98765432 98765432
00002448   98765432 98765432
00002450   98765432 98765432
00002458   98765432 98765432
00002460   98765432 98765432
00002468   98765432 98765432
00002470   98765432 98765432
00002478   98765432 98765432
00002480   98765432 98765432
00002488   98765432 98765432
00002490   98765432 98765432
00002498   98765432 98765432
000024A0   98765432 98765432
000024A8   98765432 98765432
000024B0   98765432 98765432
000024B8   98765432 98765432
000024C0   98765432 98765432
000024C8   98765432 98765432
000024D0   98765432 98765432
000024D8   98765432 98765432
000024E0   98765432 98765432
000024E8   98765432 98765432
000024F0   98765432 98765432
000024F8   98765432 98765432
00002500   98765432 98765432
00002508   98765432 98765432
00002510   98765432 98765432
00002518   98765432 98765432
00002520   98765432 98765432
00002528   98765432 98765432
00002530   98765432 98765432
00002538   98765432 98765432
00002540   98765432 98765432
00002548   98765432 98765432
00002550   98765432 98765432
00002558   00110000 98765432
00002560   98765432 98765432
00002568   98765432 98765432
00002570   98765432 98765432
00002578   98765432 98765432
00002580   98765432 98765432
00002588   98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00002590   98765432 98765432
00002598   98765432 98765432
000025A0   98765432 98765432
000025A8   98765432 98765432
000025B0   98765432 98765432
000025B8   98765432 98765432
000025C0   98765432 98765432
000025C8   98765432 98765432
000025D0   98765432 98765432
000025D8   98765432 98765432
000025E0   98765432 98765432
000025E8   98765432 98765432
000025F0   98765432 98765432
000025F8   98765432 98765432
00002600   98765432 98765432
00002608   98765432 98765432
00002610   98765432 98765432
00002618   98765432 98765432
00002620   98765432 98765432
00002628   98765432 98765432
00002630   98765432 98765432
00002638   98765432 98765432
00002640   98765432 98765432
00002648   98765432 98765432
00002650   98765432 98765432
00002658   98765432 98765432
00002660   98765432 98765432
00002668   98765432 98765432
00002670   98765432 98765432
00002678   98765432 98765432
00002680   98765432 98765432
00002688   98765432 98765432
00002690   98765432 98765432
00002698   98765432 98765432
000026A0   98765432 98765432
000026A8   98765432 98765432
000026B0   98765432 98765432
000026B8   98765432 98765432
000026C0   98765432 98765432
000026C8   98765432 98765432
000026D0   98765432 98765432
000026D8   98765432 98765432
000026E0   98765432 98765432
000026E8   98765432 98765432
000026F0   98765432 98765432
000026F8   98765432 98765432
00002700   98765432 98765432
00002708   98765432 98765432
00002710   98765432 98765432
00002718   98765432 98765432
00002720   98765432 98765432
00002728   98765432 98765432
00002730   98765432 98765432
00002738   98765432 98765432
00002740   98765432 98765432
00002748   98765432 98765432
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00002750	98765432 98765432			
00002758	98765432 98765432			
00002760	98765432 98765432			
00002768	98765432 98765432			
00002770	98765432 98765432			
00002778	98765432 98765432			
00002780	98765432 98765432			
00002788	98765432 98765432			
00002790	98765432 98765432			
00002798	98765432 98765432			
000027A0	98765432 98765432			
000027A8	98765432 98765432			
000027B0	98765432 98765432			
000027B8	98765432 98765432			
000027C0	98765432 98765432			
000027C8	98765432 98765432			
000027D0	98765432 98765432			
000027D8	98765432 98765432			
000027E0	98765432 98765432			
000027E8	98765432 98765432			
000027F0	98765432 98765432			
000027F8	98765432 98765432			
00002800	98765432 98765432			
00002808	98765432 98765432			
00002810	98765432 98765432			
00002818	98765432 98765432			
00002820	98765432 98765432			
00002828	98765432 98765432			
00002830	98765432 98765432			
00002838	98765432 98765432			
00002840	98765432 98765432			
00002848	98765432 98765432			
00002850	98765432 98765432			
00002858	98765432 98765432			
00002860	98765432 98765432			
00002868	98765432 98765432			
00002870	98765432 98765432			
00002878	98765432 98765432			
00002880	98765432 98765432			
00002888	98765432 98765432			
00002890	98765432 98765432			
00002898	98765432 98765432			
000028A0	98765432 98765432			
000028A8	98765432 98765432			
000028B0	98765432 98765432			
000028B8	98765432 98765432			
000028C0	98765432 98765432			
000028C8	98765432 98765432			
000028D0	98765432 98765432			
000028D8	98765432 98765432			
000028E0	98765432 98765432			
000028E8	98765432 98765432			
000028F0	98765432 98765432			
000028F8	98765432 98765432			
00002900	98765432 98765432			
00002908	98765432 98765432			

```
  LOC        OBJECT CODE      ADDR1    ADDR2    STMT

00002910  98765432 98765432
00002918  98765432 98765432
00002920  98765432 98765432
00002928  98765432 98765432
00002930  98765432 98765432
00002938  98765432 98765432
00002940  98765432 98765432
00002948  98765432 98765432
00002950  98765432 98765432

00002958  00F00000 98765432                    1199 TRTO1LF0 DC    XL4'00F00000',511XL4'98765432'    (CC1)
00002960  98765432 98765432
00002968  98765432 98765432
00002970  98765432 98765432
00002978  98765432 98765432
00002980  98765432 98765432
00002988  98765432 98765432
00002990  98765432 98765432
00002998  98765432 98765432
000029A0  98765432 98765432
000029A8  98765432 98765432
000029B0  98765432 98765432
000029B8  98765432 98765432
000029C0  98765432 98765432
000029C8  98765432 98765432
000029D0  98765432 98765432
000029D8  98765432 98765432
000029E0  98765432 98765432
000029E8  98765432 98765432
000029F0  98765432 98765432
000029F8  98765432 98765432
00002A00  98765432 98765432
00002A08  98765432 98765432
00002A10  98765432 98765432
00002A18  98765432 98765432
00002A20  98765432 98765432
00002A28  98765432 98765432
00002A30  98765432 98765432
00002A38  98765432 98765432
00002A40  98765432 98765432
00002A48  98765432 98765432
00002A50  98765432 98765432
00002A58  98765432 98765432
00002A60  98765432 98765432
00002A68  98765432 98765432
00002A70  98765432 98765432
00002A78  98765432 98765432
00002A80  98765432 98765432
00002A88  98765432 98765432
00002A90  98765432 98765432
00002A98  98765432 98765432
00002AA0  98765432 98765432
00002AA8  98765432 98765432
00002AB0  98765432 98765432
00002AB8  98765432 98765432
00002AC0  98765432 98765432
```

```
 LOC         OBJECT CODE      ADDR1     ADDR2     STMT

00002AC8   98765432 98765432
00002AD0   98765432 98765432
00002AD8   98765432 98765432
00002AE0   98765432 98765432
00002AE8   98765432 98765432
00002AF0   98765432 98765432
00002AF8   98765432 98765432
00002B00   98765432 98765432
00002B08   98765432 98765432
00002B10   98765432 98765432
00002B18   98765432 98765432
00002B20   98765432 98765432
00002B28   98765432 98765432
00002B30   98765432 98765432
00002B38   98765432 98765432
00002B40   98765432 98765432
00002B48   98765432 98765432
00002B50   98765432 98765432
00002B58   98765432 98765432
00002B60   98765432 98765432
00002B68   98765432 98765432
00002B70   98765432 98765432
00002B78   98765432 98765432
00002B80   98765432 98765432
00002B88   98765432 98765432
00002B90   98765432 98765432
00002B98   98765432 98765432
00002BA0   98765432 98765432
00002BA8   98765432 98765432
00002BB0   98765432 98765432
00002BB8   98765432 98765432
00002BC0   98765432 98765432
00002BC8   98765432 98765432
00002BD0   98765432 98765432
00002BD8   98765432 98765432
00002BE0   98765432 98765432
00002BE8   98765432 98765432
00002BF0   98765432 98765432
00002BF8   98765432 98765432
00002C00   98765432 98765432
00002C08   98765432 98765432
00002C10   98765432 98765432
00002C18   98765432 98765432
00002C20   98765432 98765432
00002C28   98765432 98765432
00002C30   98765432 98765432
00002C38   98765432 98765432
00002C40   98765432 98765432
00002C48   98765432 98765432
00002C50   98765432 98765432
00002C58   98765432 98765432
00002C60   98765432 98765432
00002C68   98765432 98765432
00002C70   98765432 98765432
00002C78   98765432 98765432
00002C80   98765432 98765432
```

```
 LOC          OBJECT CODE      ADDR1     ADDR2     STMT

00002C88  98765432 98765432
00002C90  98765432 98765432
00002C98  98765432 98765432
00002CA0  98765432 98765432
00002CA8  98765432 98765432
00002CB0  98765432 98765432
00002CB8  98765432 98765432
00002CC0  98765432 98765432
00002CC8  98765432 98765432
00002CD0  98765432 98765432
00002CD8  98765432 98765432
00002CE0  98765432 98765432
00002CE8  98765432 98765432
00002CF0  98765432 98765432
00002CF8  98765432 98765432
00002D00  98765432 98765432
00002D08  98765432 98765432
00002D10  98765432 98765432
00002D18  98765432 98765432
00002D20  98765432 98765432
00002D28  98765432 98765432
00002D30  98765432 98765432
00002D38  98765432 98765432
00002D40  98765432 98765432
00002D48  98765432 98765432
00002D50  98765432 98765432
00002D58  98765432 98765432
00002D60  98765432 98765432
00002D68  98765432 98765432
00002D70  98765432 98765432
00002D78  98765432 98765432
00002D80  98765432 98765432
00002D88  98765432 98765432
00002D90  98765432 98765432
00002D98  98765432 98765432
00002DA0  98765432 98765432
00002DA8  98765432 98765432
00002DB0  98765432 98765432
00002DB8  98765432 98765432
00002DC0  98765432 98765432
00002DC8  98765432 98765432
00002DD0  98765432 98765432
00002DD8  98765432 98765432
00002DE0  98765432 98765432
00002DE8  98765432 98765432
00002DF0  98765432 98765432
00002DF8  98765432 98765432
00002E00  98765432 98765432
00002E08  98765432 98765432
00002E10  98765432 98765432
00002E18  98765432 98765432
00002E20  98765432 98765432
00002E28  98765432 98765432
00002E30  98765432 98765432
00002E38  98765432 98765432
00002E40  98765432 98765432
```

```
  LOC         OBJECT CODE      ADDR1    ADDR2    STMT

00002E48   98765432 98765432
00002E50   98765432 98765432
00002E58   98765432 98765432
00002E60   98765432 98765432
00002E68   98765432 98765432
00002E70   98765432 98765432
00002E78   98765432 98765432
00002E80   98765432 98765432
00002E88   98765432 98765432
00002E90   98765432 98765432
00002E98   98765432 98765432
00002EA0   98765432 98765432
00002EA8   98765432 98765432
00002EB0   98765432 98765432
00002EB8   98765432 98765432
00002EC0   98765432 98765432
00002EC8   98765432 98765432
00002ED0   98765432 98765432
00002ED8   98765432 98765432
00002EE0   98765432 98765432
00002EE8   98765432 98765432
00002EF0   98765432 98765432
00002EF8   98765432 98765432
00002F00   98765432 98765432
00002F08   98765432 98765432
00002F10   98765432 98765432
00002F18   98765432 98765432
00002F20   98765432 98765432
00002F28   98765432 98765432
00002F30   98765432 98765432
00002F38   98765432 98765432
00002F40   98765432 98765432
00002F48   98765432 98765432
00002F50   98765432 98765432
00002F58   98765432 98765432
00002F60   98765432 98765432
00002F68   98765432 98765432
00002F70   98765432 98765432
00002F78   98765432 98765432
00002F80   98765432 98765432
00002F88   98765432 98765432
00002F90   98765432 98765432
00002F98   98765432 98765432
00002FA0   98765432 98765432
00002FA8   98765432 98765432
00002FB0   98765432 98765432
00002FB8   98765432 98765432
00002FC0   98765432 98765432
00002FC8   98765432 98765432
00002FD0   98765432 98765432
00002FD8   98765432 98765432
00002FE0   98765432 98765432
00002FE8   98765432 98765432
00002FF0   98765432 98765432
00002FF8   98765432 98765432
00003000   98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1    ADDR2    STMT

00003008   98765432 98765432
00003010   98765432 98765432
00003018   98765432 98765432
00003020   98765432 98765432
00003028   98765432 98765432
00003030   98765432 98765432
00003038   98765432 98765432
00003040   98765432 98765432
00003048   98765432 98765432
00003050   98765432 98765432
00003058   98765432 98765432
00003060   98765432 98765432
00003068   98765432 98765432
00003070   98765432 98765432
00003078   98765432 98765432
00003080   98765432 98765432
00003088   98765432 98765432
00003090   98765432 98765432
00003098   98765432 98765432
000030A0   98765432 98765432
000030A8   98765432 98765432
000030B0   98765432 98765432
000030B8   98765432 98765432
000030C0   98765432 98765432
000030C8   98765432 98765432
000030D0   98765432 98765432
000030D8   98765432 98765432
000030E0   98765432 98765432
000030E8   98765432 98765432
000030F0   98765432 98765432
000030F8   98765432 98765432
00003100   98765432 98765432
00003108   98765432 98765432
00003110   98765432 98765432
00003118   98765432 98765432
00003120   98765432 98765432
00003128   98765432 98765432
00003130   98765432 98765432
00003138   98765432 98765432
00003140   98765432 98765432
00003148   98765432 98765432
00003150   98765432 98765432

00003158   FFF00000 98765432                        1201 TRTO1LFF DC    XL4'FFF00000',511XL4'98765432'    (CC1)
00003160   98765432 98765432
00003168   98765432 98765432
00003170   98765432 98765432
00003178   98765432 98765432
00003180   98765432 98765432
00003188   98765432 98765432
00003190   98765432 98765432
00003198   98765432 98765432
000031A0   98765432 98765432
000031A8   98765432 98765432
000031B0   98765432 98765432
000031B8   98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1    ADDR2    STMT

000031C0  98765432 98765432
000031C8  98765432 98765432
000031D0  98765432 98765432
000031D8  98765432 98765432
000031E0  98765432 98765432
000031E8  98765432 98765432
000031F0  98765432 98765432
000031F8  98765432 98765432
00003200  98765432 98765432
00003208  98765432 98765432
00003210  98765432 98765432
00003218  98765432 98765432
00003220  98765432 98765432
00003228  98765432 98765432
00003230  98765432 98765432
00003238  98765432 98765432
00003240  98765432 98765432
00003248  98765432 98765432
00003250  98765432 98765432
00003258  98765432 98765432
00003260  98765432 98765432
00003268  98765432 98765432
00003270  98765432 98765432
00003278  98765432 98765432
00003280  98765432 98765432
00003288  98765432 98765432
00003290  98765432 98765432
00003298  98765432 98765432
000032A0  98765432 98765432
000032A8  98765432 98765432
000032B0  98765432 98765432
000032B8  98765432 98765432
000032C0  98765432 98765432
000032C8  98765432 98765432
000032D0  98765432 98765432
000032D8  98765432 98765432
000032E0  98765432 98765432
000032E8  98765432 98765432
000032F0  98765432 98765432
000032F8  98765432 98765432
00003300  98765432 98765432
00003308  98765432 98765432
00003310  98765432 98765432
00003318  98765432 98765432
00003320  98765432 98765432
00003328  98765432 98765432
00003330  98765432 98765432
00003338  98765432 98765432
00003340  98765432 98765432
00003348  98765432 98765432
00003350  98765432 98765432
00003358  98765432 98765432
00003360  98765432 98765432
00003368  98765432 98765432
00003370  98765432 98765432
00003378  98765432 98765432
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00003380	98765432 98765432			
00003388	98765432 98765432			
00003390	98765432 98765432			
00003398	98765432 98765432			
000033A0	98765432 98765432			
000033A8	98765432 98765432			
000033B0	98765432 98765432			
000033B8	98765432 98765432			
000033C0	98765432 98765432			
000033C8	98765432 98765432			
000033D0	98765432 98765432			
000033D8	98765432 98765432			
000033E0	98765432 98765432			
000033E8	98765432 98765432			
000033F0	98765432 98765432			
000033F8	98765432 98765432			
00003400	98765432 98765432			
00003408	98765432 98765432			
00003410	98765432 98765432			
00003418	98765432 98765432			
00003420	98765432 98765432			
00003428	98765432 98765432			
00003430	98765432 98765432			
00003438	98765432 98765432			
00003440	98765432 98765432			
00003448	98765432 98765432			
00003450	98765432 98765432			
00003458	98765432 98765432			
00003460	98765432 98765432			
00003468	98765432 98765432			
00003470	98765432 98765432			
00003478	98765432 98765432			
00003480	98765432 98765432			
00003488	98765432 98765432			
00003490	98765432 98765432			
00003498	98765432 98765432			
000034A0	98765432 98765432			
000034A8	98765432 98765432			
000034B0	98765432 98765432			
000034B8	98765432 98765432			
000034C0	98765432 98765432			
000034C8	98765432 98765432			
000034D0	98765432 98765432			
000034D8	98765432 98765432			
000034E0	98765432 98765432			
000034E8	98765432 98765432			
000034F0	98765432 98765432			
000034F8	98765432 98765432			
00003500	98765432 98765432			
00003508	98765432 98765432			
00003510	98765432 98765432			
00003518	98765432 98765432			
00003520	98765432 98765432			
00003528	98765432 98765432			
00003530	98765432 98765432			
00003538	98765432 98765432			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00003540	98765432 98765432			
00003548	98765432 98765432			
00003550	98765432 98765432			
00003558	98765432 98765432			
00003560	98765432 98765432			
00003568	98765432 98765432			
00003570	98765432 98765432			
00003578	98765432 98765432			
00003580	98765432 98765432			
00003588	98765432 98765432			
00003590	98765432 98765432			
00003598	98765432 98765432			
000035A0	98765432 98765432			
000035A8	98765432 98765432			
000035B0	98765432 98765432			
000035B8	98765432 98765432			
000035C0	98765432 98765432			
000035C8	98765432 98765432			
000035D0	98765432 98765432			
000035D8	98765432 98765432			
000035E0	98765432 98765432			
000035E8	98765432 98765432			
000035F0	98765432 98765432			
000035F8	98765432 98765432			
00003600	98765432 98765432			
00003608	98765432 98765432			
00003610	98765432 98765432			
00003618	98765432 98765432			
00003620	98765432 98765432			
00003628	98765432 98765432			
00003630	98765432 98765432			
00003638	98765432 98765432			
00003640	98765432 98765432			
00003648	98765432 98765432			
00003650	98765432 98765432			
00003658	98765432 98765432			
00003660	98765432 98765432			
00003668	98765432 98765432			
00003670	98765432 98765432			
00003678	98765432 98765432			
00003680	98765432 98765432			
00003688	98765432 98765432			
00003690	98765432 98765432			
00003698	98765432 98765432			
000036A0	98765432 98765432			
000036A8	98765432 98765432			
000036B0	98765432 98765432			
000036B8	98765432 98765432			
000036C0	98765432 98765432			
000036C8	98765432 98765432			
000036D0	98765432 98765432			
000036D8	98765432 98765432			
000036E0	98765432 98765432			
000036E8	98765432 98765432			
000036F0	98765432 98765432			
000036F8	98765432 98765432			

```
  LOC          OBJECT CODE        ADDR1     ADDR2     STMT

00003700   98765432 98765432
00003708   98765432 98765432
00003710   98765432 98765432
00003718   98765432 98765432
00003720   98765432 98765432
00003728   98765432 98765432
00003730   98765432 98765432
00003738   98765432 98765432
00003740   98765432 98765432
00003748   98765432 98765432
00003750   98765432 98765432
00003758   98765432 98765432
00003760   98765432 98765432
00003768   98765432 98765432
00003770   98765432 98765432
00003778   98765432 98765432
00003780   98765432 98765432
00003788   98765432 98765432
00003790   98765432 98765432
00003798   98765432 98765432
000037A0   98765432 98765432
000037A8   98765432 98765432
000037B0   98765432 98765432
000037B8   98765432 98765432
000037C0   98765432 98765432
000037C8   98765432 98765432
000037D0   98765432 98765432
000037D8   98765432 98765432
000037E0   98765432 98765432
000037E8   98765432 98765432
000037F0   98765432 98765432
000037F8   98765432 98765432
00003800   98765432 98765432
00003808   98765432 98765432
00003810   98765432 98765432
00003818   98765432 98765432
00003820   98765432 98765432
00003828   98765432 98765432
00003830   98765432 98765432
00003838   98765432 98765432
00003840   98765432 98765432
00003848   98765432 98765432
00003850   98765432 98765432
00003858   98765432 98765432
00003860   98765432 98765432
00003868   98765432 98765432
00003870   98765432 98765432
00003878   98765432 98765432
00003880   98765432 98765432
00003888   98765432 98765432
00003890   98765432 98765432
00003898   98765432 98765432
000038A0   98765432 98765432
000038A8   98765432 98765432
000038B0   98765432 98765432
000038B8   98765432 98765432
```

```
  LOC       OBJECT CODE      ADDR1     ADDR2     STMT

000038C0   98765432 98765432
000038C8   98765432 98765432
000038D0   98765432 98765432
000038D8   98765432 98765432
000038E0   98765432 98765432
000038E8   98765432 98765432
000038F0   98765432 98765432
000038F8   98765432 98765432
00003900   98765432 98765432
00003908   98765432 98765432
00003910   98765432 98765432
00003918   98765432 98765432
00003920   98765432 98765432
00003928   98765432 98765432
00003930   98765432 98765432
00003938   98765432 98765432
00003940   98765432 98765432
00003948   98765432 98765432
00003950   98765432 98765432
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

                                                  1203 *****************************************************************************
                                                  1204 *        Function Code (FC) Tables (GR1)
                                                  1205 *****************************************************************************

00003958  00000000 00000000                       1207 TRTOP20  DC     256X'00'          no stop
00003960  00000000 00000000
00003968  00000000 00000000
00003970  00000000 00000000
00003978  00000000 00000000
00003980  00000000 00000000
00003988  00000000 00000000
00003990  00000000 00000000
00003998  00000000 00000000
000039A0  00000000 00000000
000039A8  00000000 00000000
000039B0  00000000 00000000
000039B8  00000000 00000000
000039C0  00000000 00000000
000039C8  00000000 00000000
000039D0  00000000 00000000
000039D8  00000000 00000000
000039E0  00000000 00000000
000039E8  00000000 00000000
000039F0  00000000 00000000
000039F8  00000000 00000000
00003A00  00000000 00000000
00003A08  00000000 00000000
00003A10  00000000 00000000
00003A18  00000000 00000000
00003A20  00000000 00000000
00003A28  00000000 00000000
00003A30  00000000 00000000
00003A38  00000000 00000000
00003A40  00000000 00000000
00003A48  00000000 00000000
00003A50  00000000 00000000
00003A58                    00003A58  00023A58  1208          ORG    *+2*K64

00023A58  00000000 00000000                       1210 TRTOP211 DC     17X'00',X'11',238X'00'     stop on X'11'
00023A60  00000000 00000000
00023A68  00110000 00000000
00023A70  00000000 00000000
00023A78  00000000 00000000
00023A80  00000000 00000000
00023A88  00000000 00000000
00023A90  00000000 00000000
00023A98  00000000 00000000
00023AA0  00000000 00000000
00023AA8  00000000 00000000
00023AB0  00000000 00000000
00023AB8  00000000 00000000
00023AC0  00000000 00000000
00023AC8  00000000 00000000
00023AD0  00000000 00000000
00023AD8  00000000 00000000
00023AE0  00000000 00000000
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00023AE8	00000000 00000000			
00023AF0	00000000 00000000			
00023AF8	00000000 00000000			
00023B00	00000000 00000000			
00023B08	00000000 00000000			
00023B10	00000000 00000000			
00023B18	00000000 00000000			
00023B20	00000000 00000000			
00023B28	00000000 00000000			
00023B30	00000000 00000000			
00023B38	00000000 00000000			
00023B40	00000000 00000000			
00023B48	00000000 00000000			
00023B50	00000000 00000000			
00023B58	00000000 00000000			1212 TRTOP2F0 DC 240X'00',X'F0',15X'00' stop on X'F0'
00023B60	00000000 00000000			
00023B68	00000000 00000000			
00023B70	00000000 00000000			
00023B78	00000000 00000000			
00023B80	00000000 00000000			
00023B88	00000000 00000000			
00023B90	00000000 00000000			
00023B98	00000000 00000000			
00023BA0	00000000 00000000			
00023BA8	00000000 00000000			
00023BB0	00000000 00000000			
00023BB8	00000000 00000000			
00023BC0	00000000 00000000			
00023BC8	00000000 00000000			
00023BD0	00000000 00000000			
00023BD8	00000000 00000000			
00023BE0	00000000 00000000			
00023BE8	00000000 00000000			
00023BF0	00000000 00000000			
00023BF8	00000000 00000000			
00023C00	00000000 00000000			
00023C08	00000000 00000000			
00023C10	00000000 00000000			
00023C18	00000000 00000000			
00023C20	00000000 00000000			
00023C28	00000000 00000000			
00023C30	00000000 00000000			
00023C38	00000000 00000000			
00023C40	00000000 00000000			
00023C48	F0000000 00000000			
00023C50	00000000 00000000			
00023C58	00000000 00000000			1214 TRTOP411 DC 34X'00',X'0011',476X'00' stop on X'11'
00023C60	00000000 00000000			
00023C68	00000000 00000000			
00023C70	00000000 00000000			
00023C78	00000011 00000000			
00023C80	00000000 00000000			
00023C88	00000000 00000000			
00023C90	00000000 00000000			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT
00023C98	00000000 00000000			
00023CA0	00000000 00000000			
00023CA8	00000000 00000000			
00023CB0	00000000 00000000			
00023CB8	00000000 00000000			
00023CC0	00000000 00000000			
00023CC8	00000000 00000000			
00023CD0	00000000 00000000			
00023CD8	00000000 00000000			
00023CE0	00000000 00000000			
00023CE8	00000000 00000000			
00023CF0	00000000 00000000			
00023CF8	00000000 00000000			
00023D00	00000000 00000000			
00023D08	00000000 00000000			
00023D10	00000000 00000000			
00023D18	00000000 00000000			
00023D20	00000000 00000000			
00023D28	00000000 00000000			
00023D30	00000000 00000000			
00023D38	00000000 00000000			
00023D40	00000000 00000000			
00023D48	00000000 00000000			
00023D50	00000000 00000000			
00023D58	00000000 00000000			
00023D60	00000000 00000000			
00023D68	00000000 00000000			
00023D70	00000000 00000000			
00023D78	00000000 00000000			
00023D80	00000000 00000000			
00023D88	00000000 00000000			
00023D90	00000000 00000000			
00023D98	00000000 00000000			
00023DA0	00000000 00000000			
00023DA8	00000000 00000000			
00023DB0	00000000 00000000			
00023DB8	00000000 00000000			
00023DC0	00000000 00000000			
00023DC8	00000000 00000000			
00023DD0	00000000 00000000			
00023DD8	00000000 00000000			
00023DE0	00000000 00000000			
00023DE8	00000000 00000000			
00023DF0	00000000 00000000			
00023DF8	00000000 00000000			
00023E00	00000000 00000000			
00023E08	00000000 00000000			
00023E10	00000000 00000000			
00023E18	00000000 00000000			
00023E20	00000000 00000000			
00023E28	00000000 00000000			
00023E30	00000000 00000000			
00023E38	00000000 00000000			
00023E40	00000000 00000000			
00023E48	00000000 00000000			
00023E50	00000000 00000000			

```
   LOC         OBJECT CODE       ADDR1      ADDR2     STMT

00023E58    00000000 00000000                        1216 TRTOP4F0 DC    480X'00',X'00F0',30X'00'    stop on X'F0'
00023E60    00000000 00000000
00023E68    00000000 00000000
00023E70    00000000 00000000
00023E78    00000000 00000000
00023E80    00000000 00000000
00023E88    00000000 00000000
00023E90    00000000 00000000
00023E98    00000000 00000000
00023EA0    00000000 00000000
00023EA8    00000000 00000000
00023EB0    00000000 00000000
00023EB8    00000000 00000000
00023EC0    00000000 00000000
00023EC8    00000000 00000000
00023ED0    00000000 00000000
00023ED8    00000000 00000000
00023EE0    00000000 00000000
00023EE8    00000000 00000000
00023EF0    00000000 00000000
00023EF8    00000000 00000000
00023F00    00000000 00000000
00023F08    00000000 00000000
00023F10    00000000 00000000
00023F18    00000000 00000000
00023F20    00000000 00000000
00023F28    00000000 00000000
00023F30    00000000 00000000
00023F38    00000000 00000000
00023F40    00000000 00000000
00023F48    00000000 00000000
00023F50    00000000 00000000
00023F58    00000000 00000000
00023F60    00000000 00000000
00023F68    00000000 00000000
00023F70    00000000 00000000
00023F78    00000000 00000000
00023F80    00000000 00000000
00023F88    00000000 00000000
00023F90    00000000 00000000
00023F98    00000000 00000000
00023FA0    00000000 00000000
00023FA8    00000000 00000000
00023FB0    00000000 00000000
00023FB8    00000000 00000000
00023FC0    00000000 00000000
00023FC8    00000000 00000000
00023FD0    00000000 00000000
00023FD8    00000000 00000000
00023FE0    00000000 00000000
00023FE8    00000000 00000000
00023FF0    00000000 00000000
00023FF8    00000000 00000000
00024000    00000000 00000000
00024008    00000000 00000000
```

```
  LOC        OBJECT CODE     ADDR1     ADDR2     STMT

00024010   00000000 00000000
00024018   00000000 00000000
00024020   00000000 00000000
00024028   00000000 00000000
00024030   00000000 00000000
00024038   00F00000 00000000
00024040   00000000 00000000
00024048   00000000 00000000
00024050   00000000 00000000

00024058   00000000 00000000                    1218 TRTOP811 DC    17X'00',X'11',238X'00'      stop on X'11'
00024060   00000000 00000000
00024068   00110000 00000000
00024070   00000000 00000000
00024078   00000000 00000000
00024080   00000000 00000000
00024088   00000000 00000000
00024090   00000000 00000000
00024098   00000000 00000000
000240A0   00000000 00000000
000240A8   00000000 00000000
000240B0   00000000 00000000
000240B8   00000000 00000000
000240C0   00000000 00000000
000240C8   00000000 00000000
000240D0   00000000 00000000
000240D8   00000000 00000000
000240E0   00000000 00000000
000240E8   00000000 00000000
000240F0   00000000 00000000
000240F8   00000000 00000000
00024100   00000000 00000000
00024108   00000000 00000000
00024110   00000000 00000000
00024118   00000000 00000000
00024120   00000000 00000000
00024128   00000000 00000000
00024130   00000000 00000000
00024138   00000000 00000000
00024140   00000000 00000000
00024148   00000000 00000000
00024150   00000000 00000000
00024158                     00024158  00044158  1219          ORG   *+2*K64

00044158   00000000 00000000                    1221 TRTOP8F0 DC    240X'00',X'F0',15X'00'      stop on X'F0'
00044160   00000000 00000000
00044168   00000000 00000000
00044170   00000000 00000000
00044178   00000000 00000000
00044180   00000000 00000000
00044188   00000000 00000000
00044190   00000000 00000000
00044198   00000000 00000000
000441A0   00000000 00000000
000441A8   00000000 00000000
000441B0   00000000 00000000
```

```
   LOC        OBJECT CODE       ADDR1      ADDR2      STMT

000441B8   00000000 00000000
000441C0   00000000 00000000
000441C8   00000000 00000000
000441D0   00000000 00000000
000441D8   00000000 00000000
000441E0   00000000 00000000
000441E8   00000000 00000000
000441F0   00000000 00000000
000441F8   00000000 00000000
00044200   00000000 00000000
00044208   00000000 00000000
00044210   00000000 00000000
00044218   00000000 00000000
00044220   00000000 00000000
00044228   00000000 00000000
00044230   00000000 00000000
00044238   00000000 00000000
00044240   00000000 00000000
00044248   F0000000 00000000
00044250   00000000 00000000
00044258                        00044258   00064258   1222           ORG     *+2*K64

00064258   00000000 00000000                          1224 TRTOP8F1 DC      240X'00',X'00',X'F1',14X'00'     stop on X'F1'
00064260   00000000 00000000
00064268   00000000 00000000
00064270   00000000 00000000
00064278   00000000 00000000
00064280   00000000 00000000
00064288   00000000 00000000
00064290   00000000 00000000
00064298   00000000 00000000
000642A0   00000000 00000000
000642A8   00000000 00000000
000642B0   00000000 00000000
000642B8   00000000 00000000
000642C0   00000000 00000000
000642C8   00000000 00000000
000642D0   00000000 00000000
000642D8   00000000 00000000
000642E0   00000000 00000000
000642E8   00000000 00000000
000642F0   00000000 00000000
000642F8   00000000 00000000
00064300   00000000 00000000
00064308   00000000 00000000
00064310   00000000 00000000
00064318   00000000 00000000
00064320   00000000 00000000
00064328   00000000 00000000
00064330   00000000 00000000
00064338   00000000 00000000
00064340   00000000 00000000
00064348   00F10000 00000000
00064350   00000000 00000000
00064358                        00064358   00084358   1225           ORG     *+2*K64
```

```
 LOC        OBJECT CODE      ADDR1     ADDR2     STMT

00084358  00000000 00000000                     1227 TRTOPC11 DC    34X'00',X'0011'       stop on X'11'
00084360  00000000 00000000
00084368  00000000 00000000
00084370  00000000 00000000
00084378  00000011
0008437C                     0008437C  000A437C  1228          ORG    *+2*K64

000A437C  00000000 00000000                     1230 TRTOPCF0 DC    480X'00',X'00F0',28X'00'    stop on X'F0'
000A4384  00000000 00000000
000A438C  00000000 00000000
000A4394  00000000 00000000
000A439C  00000000 00000000
000A43A4  00000000 00000000
000A43AC  00000000 00000000
000A43B4  00000000 00000000
000A43BC  00000000 00000000
000A43C4  00000000 00000000
000A43CC  00000000 00000000
000A43D4  00000000 00000000
000A43DC  00000000 00000000
000A43E4  00000000 00000000
000A43EC  00000000 00000000
000A43F4  00000000 00000000
000A43FC  00000000 00000000
000A4404  00000000 00000000
000A440C  00000000 00000000
000A4414  00000000 00000000
000A441C  00000000 00000000
000A4424  00000000 00000000
000A442C  00000000 00000000
000A4434  00000000 00000000
000A443C  00000000 00000000
000A4444  00000000 00000000
000A444C  00000000 00000000
000A4454  00000000 00000000
000A445C  00000000 00000000
000A4464  00000000 00000000
000A446C  00000000 00000000
000A4474  00000000 00000000
000A447C  00000000 00000000
000A4484  00000000 00000000
000A448C  00000000 00000000
000A4494  00000000 00000000
000A449C  00000000 00000000
000A44A4  00000000 00000000
000A44AC  00000000 00000000
000A44B4  00000000 00000000
000A44BC  00000000 00000000
000A44C4  00000000 00000000
000A44CC  00000000 00000000
000A44D4  00000000 00000000
000A44DC  00000000 00000000
000A44E4  00000000 00000000
000A44EC  00000000 00000000
000A44F4  00000000 00000000
000A44FC  00000000 00000000
```

```
  LOC        OBJECT CODE       ADDR1     ADDR2     STMT

000A4504   00000000 00000000
000A450C   00000000 00000000
000A4514   00000000 00000000
000A451C   00000000 00000000
000A4524   00000000 00000000
000A452C   00000000 00000000
000A4534   00000000 00000000
000A453C   00000000 00000000
000A4544   00000000 00000000
000A454C   00000000 00000000
000A4554   00000000 00000000
000A455C   00F00000 00000000
000A4564   00000000 00000000
000A456C   00000000 00000000
000A4574   00000000 0000
000A457A                       000A457A   000C457A   1231         ORG    *+2*K64

000C457A   00000000 00000000                         1233 TRTOPCF1 DC     480X'00',X'0000',X'00F1',28X'00'    stop on X'F1'
000C4582   00000000 00000000
000C458A   00000000 00000000
000C4592   00000000 00000000
000C459A   00000000 00000000
000C45A2   00000000 00000000
000C45AA   00000000 00000000
000C45B2   00000000 00000000
000C45BA   00000000 00000000
000C45C2   00000000 00000000
000C45CA   00000000 00000000
000C45D2   00000000 00000000
000C45DA   00000000 00000000
000C45E2   00000000 00000000
000C45EA   00000000 00000000
000C45F2   00000000 00000000
000C45FA   00000000 00000000
000C4602   00000000 00000000
000C460A   00000000 00000000
000C4612   00000000 00000000
000C461A   00000000 00000000
000C4622   00000000 00000000
000C462A   00000000 00000000
000C4632   00000000 00000000
000C463A   00000000 00000000
000C4642   00000000 00000000
000C464A   00000000 00000000
000C4652   00000000 00000000
000C465A   00000000 00000000
000C4662   00000000 00000000
000C466A   00000000 00000000
000C4672   00000000 00000000
000C467A   00000000 00000000
000C4682   00000000 00000000
000C468A   00000000 00000000
000C4692   00000000 00000000
000C469A   00000000 00000000
000C46A2   00000000 00000000
000C46AA   00000000 00000000
```

```
  LOC        OBJECT CODE      ADDR1     ADDR2     STMT

000C46B2  00000000 00000000
000C46BA  00000000 00000000
000C46C2  00000000 00000000
000C46CA  00000000 00000000
000C46D2  00000000 00000000
000C46DA  00000000 00000000
000C46E2  00000000 00000000
000C46EA  00000000 00000000
000C46F2  00000000 00000000
000C46FA  00000000 00000000
000C4702  00000000 00000000
000C470A  00000000 00000000
000C4712  00000000 00000000
000C471A  00000000 00000000
000C4722  00000000 00000000
000C472A  00000000 00000000
000C4732  00000000 00000000
000C473A  00000000 00000000
000C4742  00000000 00000000
000C474A  00000000 00000000
000C4752  00000000 00000000
000C475A  000000F1 00000000
000C4762  00000000 00000000
000C476A  00000000 00000000
000C4772  00000000 00000000
000C477A                     000C477A  000E477A  1234          ORG    *+2*K64

000E477A  00000000                               1236 TRTOPCFF DC     XL4'00000000'           stop on X'FFF0'
000E477E                     000E477E  0010475A  1237          ORG    *-4+(2*X'FFF0')
0010475A  FFF0                                   1238          DC     XL2'FFF0'
0010475C                     0010475C  0010477A  1239          ORG    TRTOPCFF+2*K64
```

```
 LOC        OBJECT CODE       ADDR1      ADDR2     STMT

                                                  1241 ******************************************************************
                                                  1242 *         Register equates
                                                  1243 ******************************************************************

                             00000000   00000001  1245 R0         EQU   0
                             00000001   00000001  1246 R1         EQU   1
                             00000002   00000001  1247 R2         EQU   2
                             00000003   00000001  1248 R3         EQU   3
                             00000004   00000001  1249 R4         EQU   4
                             00000005   00000001  1250 R5         EQU   5
                             00000006   00000001  1251 R6         EQU   6
                             00000007   00000001  1252 R7         EQU   7
                             00000008   00000001  1253 R8         EQU   8
                             00000009   00000001  1254 R9         EQU   9
                             0000000A   00000001  1255 R10        EQU   10
                             0000000B   00000001  1256 R11        EQU   11
                             0000000C   00000001  1257 R12        EQU   12
                             0000000D   00000001  1258 R13        EQU   13
                             0000000E   00000001  1259 R14        EQU   14
                             0000000F   00000001  1260 R15        EQU   15


                                                  1262           END
```

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES												
BEGIN	I	00000200	2	89	117	56	86	87	206								
ENDREGS	A	00000028	4	259	180												
EOJ	I	000005C0	4	214	111												
EOJPSW	D	000005B0	8	212	214												
F12T11	F	000013E8	4	1156													
F12T11A	F	0000141C	4	1168													
F12T8	F	00001380	4	1132													
F12T8A	F	000013B4	4	1144													
FAILMASK	A	00000024	4	256	159												
FAILPSW	D	000005C8	8	216	218												
FAILTEST	I	000005D8	4	218	106	109	199										
IMAGE	1	00000000	1066874	0													
K	U	00000400	1	228	229	230	231										
K64	U	00010000	1	230	1208	1219	1222	1225	1228	1231	1234	1239	288	291	300	303	312
					315	324	327	336	339	348	351	360	363	372	375	384	387
					396	399	408	411	425	428	437	440	449	452	461	464	473
					476	485	488	497	500	509	512	521	524	533	536	545	548
					562	564	567	574	576	579	586	588	591	598	600	603	610
					612	615	622	624	627	634	636	639	646	648	651	658	660
					663	670	672	675	682	684	687	705	708	717	720	729	732
					741	744	753	756	765	768	777	780	789	792	801	804	813
					816	825	828	843	845	848	855	857	860	867	869	872	879
					881	884	891	893	896	903	905	908	915	917	920	927	929
					932	939	941	944	951	953	956	963	965	968	975	977	980
					998	1001	1010	1013	1022	1025	1034	1037	1046	1049	1058	1061	1070
					1073	1082	1085	1094	1097	1106	1109	1118	1121	1137	1139	1142	1149
					1151	1154	1161	1163	1166	1173	1175	1178					
M0T1	F	000005E4	4	281													
M0T10	F	000007B8	4	389													
M0T11	F	000007EC	4	401													
M0T2	F	00000618	4	293													
M0T3	F	0000064C	4	305													
M0T4	F	00000680	4	317													
M0T5	F	000006B4	4	329													
M0T6	F	000006E8	4	341													
M0T7	F	0000071C	4	353													
M0T8	F	00000750	4	365													
M0T9	F	00000784	4	377													
M10T1	F	00000C98	4	698													
M10T10	F	00000E6C	4	806													
M10T11	F	00000EA0	4	818													
M10T2	F	00000CCC	4	710													
M10T3	F	00000D00	4	722													
M10T4	F	00000D34	4	734													
M10T5	F	00000D68	4	746													
M10T6	F	00000D9C	4	758													
M10T7	F	00000DD0	4	770													
M10T8	F	00000E04	4	782													
M10T9	F	00000E38	4	794													
M12T1	F	00000ED4	4	838													
M12T10	F	000010A8	4	946													
M12T11	F	000010DC	4	958													
M12T12	F	00001110	4	970													
M12T2	F	00000F08	4	850													
M12T3	F	00000F3C	4	862													
M12T4	F	00000F70	4	874													

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES
M12T5	F	00000FA4	4	886	
M12T6	F	00000FD8	4	898	
M12T7	F	0000100C	4	910	
M12T8	F	00001040	4	922	
M12T9	F	00001074	4	934	
M14T1	F	00001144	4	991	
M14T10	F	00001318	4	1099	
M14T11	F	0000134C	4	1111	
M14T2	F	00001178	4	1003	
M14T3	F	000011AC	4	1015	
M14T4	F	000011E0	4	1027	
M14T5	F	00001214	4	1039	
M14T6	F	00001248	4	1051	
M14T7	F	0000127C	4	1063	
M14T8	F	000012B0	4	1075	
M14T9	F	000012E4	4	1087	
M3	X	00000003	1	243	156
M4T1	F	00000820	4	418	
M4T10	F	000009F4	4	526	
M4T11	F	00000A28	4	538	
M4T2	F	00000854	4	430	
M4T3	F	00000888	4	442	
M4T4	F	000008BC	4	454	
M4T5	F	000008F0	4	466	
M4T6	F	00000924	4	478	
M4T7	F	00000958	4	490	
M4T8	F	0000098C	4	502	
M4T9	F	000009C0	4	514	
M8T1	F	00000A5C	4	557	
M8T10	F	00000C30	4	665	
M8T11	F	00000C64	4	677	
M8T2	F	00000A90	4	569	
M8T3	F	00000AC4	4	581	
M8T4	F	00000AF8	4	593	
M8T5	F	00000B2C	4	605	
M8T6	F	00000B60	4	617	
M8T7	F	00000B94	4	629	
M8T8	F	00000BC8	4	641	
M8T9	F	00000BFC	4	653	
MB	U	00100000	1	231	288 291 300 303 312 315 324 327 336 339 348 351 360
					363 372 375 384 387 396 399 408 411 425 428 437 440
					449 452 461 464 473 476 485 488 497 500 509 512 521
					524 533 536 545 548 564 567 576 579 588 591 600 603
					612 615 624 627 636 639 648 651 660 663 672 675 684
					687 705 708 717 720 729 732 741 744 753 756 765 768
					777 780 789 792 801 804 813 816 825 828 845 848 857
					860 869 872 881 884 893 896 905 908 917 920 929 932
					941 944 953 956 965 968 977 980 998 1001 1010 1013 1022
					1025 1034 1037 1046 1049 1058 1061 1070 1073 1082 1085 1094 1097
					1106 1109 1118 1121 1139 1142 1151 1154 1163 1166 1175 1178
OP1DATA	A	00000004	4	245	143
OP1LEN	F	00000008	4	246	141 144
OP1WHERE	A	00000018	4	252	140
OP1WLEN	F	0000001C	4	253	142
OP2DATA	A	0000000C	4	247	149
OP2LEN	F	00000010	4	248	148 150

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES												
OP2WHERE	A	00000014	4	251	147												
OPSWHERE	U	00000014	1	250	164												
PAGE	U	00001000	1	229													
R0	U	00000000	1	1245	52												
R1	U	00000001	1	1246	164												
R10	U	0000000A	1	1255	140	145	147	151	180	183							
R11	U	0000000B	1	1256	141	142	148	159	160	175	187						
R12	U	0000000C	1	1257	180	191											
R13	U	0000000D	1	1258													
R14	U	0000000E	1	1259	98	199	200										
R15	U	0000000F	1	1260	205												
R2	U	00000002	1	1247	165	166	169	173	183								
R3	U	00000003	1	1248	165	187											
R4	U	00000004	1	1249	164	173	191										
R5	U	00000005	1	1250	131	132	194	195	204								
R6	U	00000006	1	1251	135	136	143	145	149	151							
R7	U	00000007	1	1252	144	150	155	156	157	167							
R8	U	00000008	1	1253	86	89	90	91	93	206							
R9	U	00000009	1	1254	87	93	94										
REG2LOW	U	000000DD	1	266													
REG2PATT	U	AABBCCDD	1	265	289	301	313	325	337	349	361	373	385	397	409	426	438
					450	462	474	486	498	510	522	534	546	565	577	589	601
					613	625	637	649	661	673	685	706	718	730	742	754	766
					778	790	802	814	826	846	858	870	882	894	906	918	930
					942	954	966	978	999	1011	1023	1035	1047	1059	1071	1083	1095
					1107	1119	1140	1152	1164	1176							
SUBTEST	X	00000401	1	121	108	162	182	186	190								
TEST01	I	00000502	4	129	98												
TESTADDR	D	00000400	8	119													
TESTNUM	X	00000400	1	120	105	129	136										
TNUM	X	00000000	1	240	135												
TRTO1L0	X	00001958	4	1195	381	518	657	798	938	1091							
TRTO1L11	X	00002158	4	1197	393	530	669	810	950	1103							
TRTO1LF0	X	00002958	4	1199	405	542	681	822	962	1115	1160	1172					
TRTO1LFF	X	00003158	4	1201	974												
TRTOP10	X	00001458	4	1187	285	297	309	321	333	422	434	446	458	470	561	573	585
					597	702	714	726	738	842	854	866	878	995	1007	1019	1031
TRTOP111	X	00001558	4	1189	345	369	482	506	609	633	750	774	890	914	1043	1067	
TRTOP1F0	X	00001658	4	1191	357	494	621	762	902	1055							
TRTOP1F1	X	00001758	4	1193	645	786	926	1079	1136	1148							
TRTOP20	X	00003958	1	1207	286	298	310	322	334	382	423	435	447	459	471	519	562
					574	586	598	658	703	715	727	739	799	843	855	867	879
					939	996	1008	1020	1032	1092							
TRTOP211	X	00023A58	1	1210	346	370	394	751	775	811							
TRTOP2F0	X	00023B58	1	1212	358	406	763	823									
TRTOP411	X	00023C58	1	1214	483	507	531	1044	1068	1104							
TRTOP4F0	X	00023E58	1	1216	495	543	1056	1116									
TRTOP811	X	00024058	1	1218	610	634	670										
TRTOP8F0	X	00044158	1	1221	622	682											
TRTOP8F1	X	00064258	1	1224	646	787											
TRTOPC11	X	00084358	1	1227	891	915	951										
TRTOPCF0	X	000A437C	1	1230	903	963	1161	1173									
TRTOPCF1	X	000C457A	1	1233	927	1080	1137	1149									
TRTOPCFF	X	000E477A	4	1236	1239	975											
TRTRE1TST	J	00000000	1066874	51	54	58	62	52									
TRTREBC	I	000005A8	4	202	175												

SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFERENCES			
TRTRECTL	A	000005E4	4	274	131			
TRTREDONE	I	000005A6	2	200	197			
TRTREFAIL	I	000005A2	4	199	184	188	192	202
TRTREMOD	I	00000562	4	173	157	168	176	
TRTRENEXT	U	00000034	1	263	194			
TRTRETEST	4	00000000	52	239	132			
TST1LOOP	U	0000050A	1	134	196			
=F'0'	F	000005E0	4	226	195			
=XL4'80'	X	000005DC	4	225	167			

MACRO DEFN REFERENCES

No defined macros

DESC	SYMBOL	SIZE	POS	ADDR

Entry: 0

Image	IMAGE	1066874	000000-104779	000000-104779
Region		1066874	000000-104779	000000-104779
CSECT	TRTRE1TST	1066874	000000-104779	000000-104779

STMT   FILE NAME

1   /devstor/dev/tests/TRTRE-01-basic.asm

** NO ERRORS FOUND **