

9M04A

709 INDIRECT ADDRESSING DIAGNOSTIC AND RELIABILITY TEST

A- UNIT TESTED

1. PURPOSE OF TEST

THE PURPOSE OF THIS DIAGNOSTIC PROGRAM IS TO GIVE A COMPREHENSIVE TEST OF THE EXECUTION OF 709 INSTRUCTIONS WHICH ARE BOTH VALIDLY AND INVALIDLY INDIRECTLY ADDRESSABLE IN AND OUT OF TRAPPING MODE, AND IN CONJUNCTION WITH INDEXING. THE DIAGNOSTIC PRINTER BOARD SHOULD BE USED WITH THIS TEST.

2. METHOD OF TEST

THE PROGRAM IS DIVIDED INTO A VARIETY OF PARTS CONSISTING OF A CURSORY TEST OF DIRECT ADDRESSING, AND INDIRECT ADDRESSING TEST WITH REFERENCE TO STORAGE, WITH WORD TRANSMISSION INSTRUCTIONS, WITH LOGIC INSTRUCTIONS, WITH INDEXABLE TRANSFER INSTRUCTIONS, WITH INDEXABLE TRANSFER INSTRUCTIONS IN THE TRAPPING MODE, WITH SENSE INDICATOR TRANSFER INSTRUCTIONS, WITH INDEXABLE TRANSFER INSTRUCTIONS INDEXED, AND WITH NON-INDEXABLE TRANSFER INSTRUCTIONS. THE CURSORY TEST OF DIRECT ADDRESSING TESTS THE CLA INSTRUCTION WITH NO BITS IN POSITION 12 AND 13, WITH A BIT IN POSITION 12, AND WITH A BIT IN POSITION 13. IN EACH OF THESE CASES THE CLA SHOULD NOT INDIRECT ADDRESS. IN THE CASE WHERE A CONDITINAL TRANSFER INSTRUCTION REFERS TO A BUFFER CONDITION THE ONLY CASE THAT IS TESTED IS THE ONE WHICH DOES NOT REQUIRE THE BUFFER TO BE IN OPERATION. WHEN NON-INDEXABLE INSTRUCTIONS ARE TESTED WITH INDIRECT ADDRESSING, THE CORRECT OPERATION IS TO IGNORE THE INDIRECT ADDRESSING AN TO DIRECT ADDRESS INSTEAD. THE INSTRUCTIONS THAT ARE TESTED AND THE ORDER IN WHICH THEY ARE TESTED AER GIVEN UNDER THE COMMENTS SECTION OF THIS WRITE UP. THE DIAGNOSTIC ENGINEERING SENSE SWITCH INTERROGATION AND PRINT ROUTINE -9DEPR- CONTROLS THE RUNNING OF THE PROGRAM. 9DEPR IS REFERRED TO BY EVERY INDIVIDUAL TEST AND IT CONTAINS ESSENTIALLY TWO CONDITIONS.

A. ON NO ERROR

THE SUBROUTINE 9DEPR WILL EXAMINE SW1. IF SW1 IS DOWN, THE PROGRAM WILL REPEAT THE TEST. IS SW1 IS UP, THE SUBROUTINE WILL EXAMINE SW4, IF SW4 IS DOWN, THE PROGRAM WILL REPEAT THE TEST 50 TIMES BEFORE CONTINUING TO THE NEXT TEST, IF SW4 IS UP, THE PROGRAM GOES DIRECTLY TO THE NEXT TEST.

B. ON AN ERROR

THE SUBROUTINE 9DEPR WILL EXAMINE SW2. IF SW2 IS DOWN, THE PROGRAM WILL BYPASS ALL ERROR INDICATIONS AND EXAMINE SW1. IF SW2 IS UP, THE PROGRAM WILL EXAMINE SW3. IF SW3 IS DOWN, THE MACHINE WILL HALT AND DISPLAY ERROR INDICATIONS ON THE OPERATORS CONSOLE. IF SW3 IS UP THE MACHINE WILL PRINT OUT

F. ERROR STOPS

1. 06517 ERROR RESULT INDICATED WITH SWITCH 3 DOWN. INDEX REGISTER C
06545 CONTAINS THE 2S COMPLEMENT OF THE ADDRESS WHERE THE ERROR
WAS DETECTED. SEE ADDRESS IN LISTING FOR DESCRIPTION OF
ERROR. TO CONTINUE PROGRAM PUSH START.

ERROR PRINT OUT

SEE EXAMPLES OF ERROR PRINT OUTS IN 9DEPR. TEST LOC. GIVES THE ROUTINE
IN ERROR, OPN GIVES THE INSTRUCTION BEIGN TESTED, AND ERROR ADD GIVES
THE SECTION OF THE ROUTINE IN ERROR.

THE PROGRAM CONTAINS ONE POST RESTART. A POST RESTART IS THE ACT OF
STORING A TRANSFER INSTRUCTION AT LOCATION ZERO SO THAT THE DEPRESSION
OF THE START KEY WILL CAUSE THE PROGRAM TO TRANSFER TO THE ADDRESS
SPECIFIED BY ZERO WHEN THE INSTRUCTION COUNTER IS RESET. THIS ADDRESS
IS TO THE FIRST SECTION OF THE 9M04 INDEXING TEST.

TABLE OF 709 INDIRECT ADDRESSABLE MAIN FRAME
AND INDIRECT ADDRESSABLE, INDEXABLE INSTRUCTIONS
AND ORDER IN WHICH THEY ARE TESTED

G. COMMENTS

CURSORY TEST OF DIRECT ADDRESSING

- | | | |
|--------------------------------|-----------|-------|
| 1. CLA | BEGINS AT | 00034 |
| 2. CLA WITH BIT IN 12 POSITION | BEGINS AT | 00054 |
| 3. CLA WITH BIT IN 13 POSITION | BEGINS AT | 00073 |

INDIRECT ADDRESSING WITH REFERENCE TO STORAGE

- | | | |
|---------|-----------|-------|
| 4. CLA | BEGINS AT | 00112 |
| 5. SUB | BEGINS AT | 00131 |
| 6. CLS | BEGINS AT | 00152 |
| 7. ADD | BEGINS AT | 00173 |
| 8. ADM | BEGINS AT | 00214 |
| 9. SBM | BEGINS AT | 00236 |
| 10. MPY | BEGINS AT | 00260 |
| 11. DVP | BEGINS AT | 00306 |

INDIRECT ADDRESSING OF WORD TRANSMISSION INSTRUCTIONS

- | | | |
|---------|-----------|-------|
| 12. LDQ | BEGINS AT | 00367 |
| 13. STQ | BEGINS AT | 00410 |
| 14. SLQ | BEGINS AT | 00435 |
| 15. STO | BEGINS AT | 00465 |
| 16. STP | BEGINS AT | 00506 |
| 17. STD | BEGINS AT | 00535 |
| 18. STA | BEGINS AT | 00562 |

INDIRECT ADDRESSING OF LOGIC INSTRUCTIONS

- | | | |
|---------|-----------|-------|
| 19. CAL | BEGINS AT | 00607 |
| 20. ACL | BEGINS AT | 00631 |

| | | |
|---------|-----------|-------|
| 21. SLW | BEGINS AT | 00657 |
| 22. ANA | BEGINS AT | 00707 |
| 23. ANS | BEGINS AT | 00752 |
| 24. ORA | BEGINS AT | 01001 |
| 25. ORS | BEGINS AT | 01025 |

INDIRECT ADDRESSING OF INDEXABLE TRANSFER INSTRUCTIONS

| | | |
|----------|-----------|-------|
| 26. TRA | BEGINS AT | 01054 |
| 27. TZE | BEGINS AT | 01065 |
| 28. TPL | BEGINS AT | 01077 |
| 29. TMI | BEGINS AT | 01111 |
| 30. TOV | BEGINS AT | 01123 |
| 31. TNO | BEGINS AT | 01137 |
| 32. TQP | BEGINS AT | 01151 |
| 33. TLQ | BEGINS AT | 01176 |
| 34. TTR | BEGINS AT | 01225 |
| 35. CAS | BEGINS AT | 01236 |
| 36. LAS | BEGINS AT | 01267 |
| 37. TNZ | BEGINS AT | 01320 |
| 38. ZET | BEGINS AT | 01333 |
| 39. NZT | BEGINS AT | 01350 |
| 40. TCOA | BEGINS AT | 01367 |
| 41. TCOB | BEGINS AT | 01403 |
| 42. TCOC | BEGINS AT | 01407 |
| 43. TCOD | BEGINS AT | 01433 |
| 44. TCOE | BEGINS AT | 01447 |
| 45. TCOF | BEGINS AT | 01463 |
| 46. TCNA | BEGINS AT | 01477 |
| 47. TCNB | BEGINS AT | 01512 |
| 48. TCNC | BEGINS AT | 01525 |
| 49. TCND | BEGINS AT | 01540 |
| 50. TCNE | BEGINS AT | 01553 |
| 51. TCNF | BEGINS AT | 01566 |
| 52. TRCA | BEGINS AT | 01601 |
| 53. TRCB | BEGINS AT | 01615 |
| 54. TRCC | BEGINS AT | 01631 |
| 55. TRCD | BEGINS AT | 01645 |
| 56. TRCE | BEGINS AT | 01661 |
| 57. TRCF | BEGINS AT | 01675 |
| 58. TEFA | BEGINS AT | 01711 |
| 59. TEFB | BEGINS AT | 01725 |
| 60. TEFC | BEGINS AT | 01741 |
| 61. Tefd | BEGINS AT | 01755 |
| 62. TEFE | BEGINS AT | 01771 |
| 63. TEFF | BEGINS AT | 02005 |

INDIRECT ADDRESSING OF INDEXABLE TRANSFER INSTRUCTIONS IN TRAPPING MODE

| | | |
|---------|-----------|-------|
| 64. TRA | BEGINS AT | 02036 |
| 65. TZE | BEGINS AT | 02054 |
| 66. TPL | BEGINS AT | 02073 |
| 67. TMI | BEGINS AT | 02112 |
| 68. TOV | BEGINS AT | 02131 |
| 69. TNO | BEGINS AT | 02152 |
| 70. TQP | BEGINS AT | 02171 |

| | | |
|----------|-----------|-------|
| 71. TLQ | BEGINS AT | 02242 |
| 72. TTR | BEGINS AT | 02316 |
| 73. TNZ | BEGINS AT | 02343 |
| 74. TCOA | BEGINS AT | 02367 |
| 75. TCOB | BEGINS AT | 02415 |
| 76. TCOC | BEGINS AT | 02442 |
| 77. TCOD | BEGINS AT | 02467 |
| 78. TCOE | BEGINS AT | 02514 |
| 79. TCOF | BEGINS AT | 02541 |
| 80. TCNA | BEGINS AT | 02566 |
| 81. TCNB | BEGINS AT | 02611 |
| 82. TCNC | BEGINS AT | 02634 |
| 83. TCND | BEGINS AT | 02657 |
| 84. TCNE | BEGINS AT | 02702 |
| 85. TCNF | BEGINS AT | 02725 |
| 86. TRCA | BEGINS AT | 02750 |
| 87. TRCB | BEGINS AT | 02775 |
| 88. TRCC | BEGINS AT | 03022 |
| 89. TRCD | BEGINS AT | 03047 |
| 90. TRCE | BEGINS AT | 03074 |
| 91. TRCF | BEGINS AT | 03121 |
| 92. TEFA | BEGINS AT | 03146 |
| 93. TEFB | BEGINS AT | 03U73 |
| 94. TEFC | BEGINS AT | 03218 |
| 95. Tefd | BEGINS AT | 03245 |
| 96. Tefe | BEGINS AT | 03272 |
| 97. TEFF | BEGINS AT | 03317 |

INDIRECT ADDRESSING OF SENSE INDICATOR INSTRUCTIONS WITH REFERENCE TO STORAGE

| | | |
|----------|-----------|-------|
| 98. LDI | BEGINS AT | 03350 |
| 99. OSI | BEGINS AT | 03367 |
| 100. RIS | BEGINS AT | 03412 |
| 101. IIS | BEGINS AT | 03437 |
| 102. STI | BEGINS AT | 03463 |

INDIRECT ADDRESSING OF SENSE INDICATOR TRANSFER INSTRUCTIONS

| | | |
|---|-----------|-------|
| 103. TIO | BEGINS AT | 03506 |
| 104. TIF | BEGINS AT | 03521 |
| 105. ONT | BEGINS AT | 03534 |
| 106. OFT | BEGINS AT | 03552 |
| 107. COMPREHENSIVE INDIRECT ADDRESSING TEST | BEGINS AT | 03571 |

INDIRECT ADDRESSING OF INDEXABLE TRANSFER INSTRUCTIONS INDEXED

| | | |
|----------|-----------|-------|
| 108. TRA | BEGINS AT | 04031 |
| 109. TZE | BEGINS AT | 04052 |
| 110. TPL | BEGINS AT | 04075 |

INDIRECT ADDRESSING OF NON-INDEXABLE TRANSFER INSTRUCTIONS

| | | |
|----------|-----------|-------|
| 111. TNX | BEGINS AT | 04156 |
| 112. TXH | BEGINS AT | 04171 |

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113. TXI
114. TSX

BEGINS AT 04204
BEGINS AT 04241

9M04
TEST INDIRECT ADDRESSING

| | | | | | |
|-------|--------------|-------|-------|--------------------|---------------------------|
| | | 00030 | | ORG 24 | |
| 00030 | 0500 | 00 0 | 00046 | CLA TX2A | POST |
| 00031 | 0601 | 00 0 | 00000 | STO 0 | RESTART |
| 00032 | 0020 | 00 0 | 00034 | TRA *+2 | |
| | | | | | TURN TRIGGER ON |
| 00033 | 234321606060 | | | BCD 1CLA | TEST INSTRUCTION |
| 00034 | 0500 | 00 0 | 04327 | A1A CLA K20 | L+00444 NORMAL MODE |
| | | | | | TURN TRG OFF |
| 00035 | 0500 | 60 0 | 04272 | CLA* K0 | L +00444 -- K20 |
| 00036 | 0560 | 00 0 | 04327 | LDQ K20 | L +00444 IN MQ |
| 00037 | 0340 | 00 0 | 04327 | CAS K20 | |
| 00040 | 0020 | 00 0 | 00042 | TRA A1A1 | |
| 00041 | 0020 | 00 0 | 00051 | TRA TX2 | |
| 00042 | 0340 | 00 0 | 04272 | A1A1 CAS K0 | |
| 00043 | 0020 | 00 0 | 00045 | TRA A1A2 | |
| 00044 | 0020 | 00 0 | 00050 | TRA TX1 | |
| 00045 | 0074 | 00 4 | 06503 | A1A2 TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00046 | 0020 | 00 0 | 00034 | TX2A TRA A1A | |
| 00047 | 0020 | 00 0 | 00054 | TRA A1B | |
| 00050 | 0074 | 00 4 | 06504 | TX1 TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00051 | 0074 | 00 4 | 06511 | TX2 TSX OK,4 | |
| 00052 | 0020 | 00 0 | 00034 | TRA A1A | |
| | | | | | ATTEMP INDIRECT ADDR |
| | | | | | WITH A BIT IN 12 |
| 00053 | 234321606060 | | | BCD 1CLA | TEST INSTRUCTION |
| 00054 | 0500 | 40 0 | 04272 | A1B CLA K0,0,32 | L NOP K20 -- K0 |
| 00055 | 0560 | 00 0 | 04272 | LDQ K0 | L NOP K20 |
| 00056 | 0340 | 00 0 | 04272 | CAS K0 | |
| 00057 | 0020 | 00 0 | 00061 | TRA A1B1 | |
| 00060 | 0020 | 00 0 | 00070 | TRA TX4 | |
| 00061 | 0340 | 00 0 | 04327 | A1B1 CAS K20 | |
| 00062 | 0020 | 00 0 | 00064 | TRA A1B2 | |
| 00063 | 0020 | 00 0 | 00067 | TRA TX3 | |
| 00064 | 0074 | 00 4 | 06503 | A1B2 TSX ERROR-1,4 | FAILED TO ADR NORMAL MODE |
| 00065 | 0020 | 00 0 | 00054 | TRA A1B | |
| 00066 | 0020 | 00 0 | 00073 | TRA A1C | |
| 00067 | 0074 | 00 4 | 06504 | TX3 TSX ERROR,4 | FALSE INDIRECT ADDRESSING |
| 00070 | 0074 | 00 4 | 06511 | TX4 TSX OK,4 | |
| 00071 | 0020 | 00 0 | 00054 | TRA A1B | |
| | | | | | EXECUTE IN NORMAL MODE |
| | | | | | WITHA BIT IN 13 |
| 00072 | 234321606060 | | | BCD 1CLA | TEST INSTRUCTION |

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|-------|------|----|---|-------|------|---------------|---------------------------|
| 00073 | 0500 | 20 | 0 | 04313 | A1C | CLA K3,0,16 | L NOP K23+3 -- K3 |
| 00074 | 0560 | 00 | 0 | 04313 | | LDQ K3 | L NOP K23+3 IN MQ |
| 00075 | 0340 | 00 | 0 | 04313 | | CAS K3 | |
| 00076 | 0020 | 00 | 0 | 00100 | | TRA A1C1 | |
| 00077 | 0020 | 00 | 0 | 00107 | | TRA TX6 | |
| 00100 | 0340 | 00 | 0 | 04371 | A1C1 | CAS K23+3 | |
| 00101 | 0020 | 00 | 0 | 00103 | | TRA A1C2 | |
| 00102 | 0020 | 00 | 0 | 00106 | | TRA TX5 | |
| 00103 | 0074 | 00 | 4 | 06503 | A1C2 | TSX ERROR-1,4 | FAILED TO ADR NORMAL MODE |
| 00104 | 0020 | 00 | 0 | 00073 | | TRA A1C | |
| 00105 | 0020 | 00 | 0 | 00112 | | TRA A1 | |
| 00106 | 0074 | 00 | 4 | 06504 | TX5 | TSX ERROR,4 | FALSE INDIRECT ADDRESSING |
| 00107 | 0074 | 00 | 4 | 06511 | TX6 | TSX OK,4 | |
| 00110 | 0020 | 00 | 0 | 00073 | | TRA A1C | |

INDEXABLE INSTRUCTIONS
WITH REF TO STORAGE

| | | | | | | | |
|-------|--------------|----|---|-------|------|---------------|-------------------------|
| 00111 | 234321606060 | | | | | BCD 1CLA | TEST INSTRUCTION |
| 00112 | 0500 | 60 | 0 | 04272 | A1 | CLA* K0 | L +00444 -- K20 |
| 00113 | 0560 | 00 | 0 | 04327 | | LDQ K20 | L +00444 IN MQ |
| 00114 | 0340 | 00 | 0 | 04327 | | CAS K20 | |
| 00115 | 0020 | 00 | 0 | 00117 | | TRA A1AA | |
| 00116 | 0020 | 00 | 0 | 00126 | | TRA TX8 | |
| 00117 | 0340 | 00 | 0 | 04272 | A1AA | CAS K0 | |
| 00120 | 0020 | 00 | 0 | 00122 | | TRA A1AB | |
| 00121 | 0020 | 00 | 0 | 00125 | | TRA TX7 | |
| 00122 | 0074 | 00 | 4 | 06503 | A1AB | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00123 | 0020 | 00 | 0 | 00112 | | TRA A1 | |
| 00124 | 0020 | 00 | 0 | 00131 | | TRA A2 | |
| 00125 | 0074 | 00 | 4 | 06504 | TX7 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00126 | 0074 | 00 | 4 | 06511 | TX8 | TSX OK,4 | |
| 00127 | 0020 | 00 | 0 | 00112 | | TRA A1 | |

| | | | | | | | |
|-------|--------------|----|---|-------|------|---------------|-------------------------|
| 00130 | 626422606060 | | | | | BCD 1SUB | TEST INSTRUCTION |
| 00131 | 0500 | 00 | 0 | 04273 | A2 | CLA K0+1 | L NOP K20+1 |
| 00132 | 0400 | 00 | 0 | 04330 | | ADD K20+1 | L +00555 |
| 00133 | 0402 | 60 | 0 | 04273 | | SUB* K0+1 | L +00555 -- K20+1 |
| 00134 | 0560 | 00 | 0 | 04273 | | LDQ K0+1 | L NOP K20+1 IN MQ |
| 00135 | 0340 | 00 | 0 | 04273 | | CAS K0+1 | |
| 00136 | 0020 | 00 | 0 | 00140 | | TRA A2A | |
| 00137 | 0020 | 00 | 0 | 00147 | | TRA TX10 | |
| 00140 | 0340 | 00 | 0 | 04330 | A2A | CAS K20+1 | |
| 00141 | 0020 | 00 | 0 | 00143 | | TRA A2B | |
| 00142 | 0020 | 00 | 0 | 00146 | | TRA TX9 | |
| 00143 | 0074 | 00 | 4 | 06503 | A2B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00144 | 0020 | 00 | 0 | 00131 | | TRA A2 | |
| 00145 | 0020 | 00 | 0 | 00152 | | TRA A3 | |
| 00146 | 0074 | 00 | 4 | 06504 | TX9 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00147 | 0074 | 00 | 4 | 06511 | TX10 | TSX OK,4 | |
| 00150 | 0020 | 00 | 0 | 00131 | | TRA A2 | |

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|-------|--------------|--|--|--|--|----------|------------------|
| 00151 | 234362606060 | | | | | BCD 1CLS | TEST INSTRUCTION |
|-------|--------------|--|--|--|--|----------|------------------|

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|-------|------|----|---|-------|------|---------------|-------------------------|
| 00152 | 0502 | 60 | 0 | 04272 | A3 | CLS* K0 | L +00444 -- K20 |
| 00153 | 0400 | 00 | 0 | 04327 | | ADD K20 | L +00444 |
| 00154 | 0400 | 00 | 0 | 04272 | | ADD K0 | L NOP K20 |
| 00155 | 0560 | 00 | 0 | 04272 | | LDQ K0 | L NOP K20 IN MQ |
| 00156 | 0340 | 00 | 0 | 04272 | | CAS K0 | |
| 00157 | 0020 | 00 | 0 | 00161 | | TRA A3A | |
| 00160 | 0020 | 00 | 0 | 00170 | | TRA TX12 | |
| 00161 | 0340 | 00 | 0 | 04327 | A3A | CAS K20 | |
| 00162 | 0020 | 00 | 0 | 00164 | | TRA A3B | |
| 00163 | 0020 | 00 | 0 | 00167 | | TRA TX11 | |
| 00164 | 0074 | 00 | 4 | 06503 | A3B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00165 | 0020 | 00 | 0 | 00152 | | TRA A3 | |
| 00166 | 0020 | 00 | 0 | 00173 | | TRA A4 | |
| 00167 | 0074 | 00 | 4 | 06504 | TX11 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00170 | 0074 | 00 | 4 | 06511 | TX12 | TSX OK,4 | |
| 00171 | 0020 | 00 | 0 | 00152 | | TRA A3 | |

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|-------|--------------|----|---|-------|------|---------------|-------------------------|
| 00172 | 212424606060 | | | | | BCD 1ADD | TEST INSTRUCTION |
| 00173 | 0760 | 00 | 0 | 00000 | A4 | CLM | CLEAR |
| 00174 | 0760 | 00 | 0 | 00003 | | SSP 3 | ACCUMULATOR |
| 00175 | 0400 | 60 | 0 | 04273 | | ADD* K0+1 | L +00555 -- K20+1 |
| 00176 | 0560 | 00 | 0 | 04330 | | LDQ K20+1 | L +00555 IN MQ |
| 00177 | 0340 | 00 | 0 | 04330 | | CAS K20+1 | |
| 00200 | 0020 | 00 | 0 | 00202 | | TRA A4A | |
| 00201 | 0020 | 00 | 0 | 00211 | | TRA TX14 | |
| 00202 | 0340 | 00 | 0 | 04273 | A4A | CAS K0+1 | |
| 00203 | 0020 | 00 | 0 | 00205 | | TRA A4B | |
| 00204 | 0020 | 00 | 0 | 00210 | | TRA TX13 | |
| 00205 | 0074 | 00 | 4 | 06503 | A4B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00206 | 0020 | 00 | 0 | 00173 | | TRA A4 | |
| 00207 | 0020 | 00 | 0 | 00214 | | TRA A5 | |
| 00210 | 0074 | 00 | 4 | 06504 | TX13 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00211 | 0074 | 00 | 4 | 06511 | TX14 | TSX OK,4 | |
| 00212 | 0020 | 00 | 0 | 00173 | | TRA A4 | |

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|-------|--------------|----|---|-------|------|---------------|-------------------------|
| 00213 | 212444606060 | | | | | BCD 1ADM | TEST INSTRUCTION |
| 00214 | 0760 | 00 | 0 | 00000 | A5 | CLM | CLEAR ACC |
| 00215 | 0401 | 60 | 0 | 04274 | | ADM* K0+2 | L222222 -- K20+4 |
| 00216 | 0760 | 00 | 0 | 00002 | | CHS | SET SIGN MINUS |
| 00217 | 0560 | 00 | 0 | 04333 | | LDQ K20+4 | L -222222 IN MQ |
| 00220 | 0340 | 00 | 0 | 04333 | | CAS K20+4 | |
| 00221 | 0020 | 00 | 0 | 00223 | | TRA A5A | |
| 00222 | 0020 | 00 | 0 | 00233 | | TRA TX16 | |
| 00223 | 0760 | 00 | 0 | 00002 | A5A | CHS | CHANGE SIGN BIT IN ACC |
| 00224 | 0340 | 00 | 0 | 04274 | | CAS K0+2 | |
| 00225 | 0020 | 00 | 0 | 00227 | | TRA A5B | |
| 00226 | 0020 | 00 | 0 | 00232 | | TRA TX15 | |
| 00227 | 0074 | 00 | 4 | 06503 | A5B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00230 | 0020 | 00 | 0 | 00214 | | TRA A5 | |
| 00231 | 0020 | 00 | 0 | 00236 | | TRA A6 | |
| 00232 | 0074 | 00 | 4 | 06504 | TX15 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00233 | 0074 | 00 | 4 | 06511 | TX16 | TSX OK,4 | |
| 00234 | 0020 | 00 | 0 | 00214 | | TRA A5 | |

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|-------|------------------|------|---------------|-------------------------|
| 00235 | 622244606060 | | BCD 1SBM | TEST INSTRUCTION |
| 00236 | 0500 00 0 04334 | A6 | CLA K20+5 | L +333333 |
| 00237 | 0402 00 0 04332 | | SUB K20+3 | L +111111 |
| 00240 | 0400 00 0 04274 | | ADD K0+2 | L NOP K20+4 |
| 00241 | -0400 60 0 04274 | | SBM* K0+2 | L0222222 -- K20+4 |
| 00242 | 0560 00 0 04274 | | LDQ K0+2 | L NOP K20+4 IN MQ |
| 00243 | 0340 00 0 04274 | | CAS K0+2 | |
| 00244 | 0020 00 0 00246 | | TRA A6A | |
| 00245 | 0020 00 0 00255 | | TRA TX18 | |
| 00246 | 0760 00 0 00002 | A6A | CHS | CHANGE SIGN BIT IN ACC |
| 00247 | 0020 00 0 00251 | | TRA A6B | |
| 00250 | 0020 00 0 00254 | | TRA TX17 | |
| 00251 | 0074 00 4 06503 | A6B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00252 | 0020 00 0 00236 | | TRA A6 | |
| 00253 | 0020 00 0 00260 | | TRA A7 | |
| 00254 | 0074 00 4 06504 | TX17 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00255 | 0074 00 4 06511 | TX18 | TSX OK,4 | |
| 00256 | 0020 00 0 00236 | | TRA A6 | |

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|-------|------------------|------|---------------|-------------------------|
| 00257 | 444770606060 | | BCD 1MPY | TEST INSTRUCTION |
| 00260 | 0500 00 0 04331 | A7 | CLA K20+2 | L +0 |
| 00261 | 0560 00 0 04335 | | LDQ K20+6 | L +50 |
| 00262 | 0200 00 0 04275 | | MPY K0+3 | |
| 00263 | -0600 00 0 04441 | | STQ T1 | |
| 00264 | 0500 00 0 04331 | | CLA K20+2 | L +0 |
| 00265 | 0560 00 0 04335 | | LDQ K20+6 | L +50 IN MQ |
| 00266 | 0200 60 0 04275 | | MPY* K0+3 | MPY +50 -- K20+6 |
| 00267 | 0763 00 0 00043 | | LLS 35 | |
| 00270 | 0560 00 0 04336 | | LDQ K20+7 | L +3100 IN MQ |
| 00271 | 0340 00 0 04336 | | CAS K20+7 | |
| 00272 | 0020 00 0 00274 | | TRA A7A | |
| 00273 | 0020 00 0 00303 | | TRA TX20 | |
| 00274 | 0340 00 0 04441 | A7A | CAS T1 | |
| 00275 | 0020 00 0 00277 | | TRA A7B | |
| 00276 | 0020 00 0 00302 | | TRA TX19 | |
| 00277 | 0074 00 4 06503 | A7B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00300 | 0020 00 0 00260 | | TRA A7 | |
| 00301 | 0020 00 0 00306 | | TRA A8 | |
| 00302 | 0074 00 4 06504 | TX19 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00303 | 0074 00 4 06511 | TX20 | TSX OK,4 | |
| 00304 | 0020 00 0 00260 | | TRA A7 | |

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|-------|------------------|----|-----------|---------------------|
| 00305 | 246547606060 | | BCD 1DVP | TEST INSTRUCTION |
| 00306 | 0500 00 0 04331 | A8 | CLA K20+2 | L +0 |
| 00307 | 0560 00 0 04336 | | LDQ K20+7 | L +3100 IN MQ |
| 00310 | 0763 00 0 00030 | | LLS 24 | |
| 00311 | 0221 00 0 04275 | | DVP K0+3 | DVP BY NO K20+6 |
| 00312 | -0600 00 0 04441 | | STQ T1 | |
| 00313 | 0500 00 0 04331 | | CLA K20+2 | L +0 |
| 00314 | 0560 00 0 04336 | | LDQ K20+7 | L +3100 IN MQ |
| 00315 | 0763 00 0 00030 | | LLS 24 | |
| 00316 | 0221 60 0 04275 | | DVP* K0+3 | DVP BY +50 -- K20+6 |
| 00317 | -0600 00 0 04442 | | STQ T1+1 | |

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|-------|------|----|---|-------|------|---------------|-------------------------|
| 00320 | 0560 | 00 | 0 | 04335 | | LDQ K20+6 | L +50 IN MQ |
| 00321 | 0763 | 00 | 0 | 00030 | | LLS 24 | |
| 00322 | 0500 | 00 | 0 | 04442 | | CLA T1+1 | |
| 00323 | 0771 | 00 | 0 | 00030 | | ARS 24 | |
| 00324 | 0340 | 00 | 0 | 04335 | | CAS K20+6 | |
| 00325 | 0020 | 00 | 0 | 00327 | | TRA A8A | |
| 00326 | 0020 | 00 | 0 | 00337 | | TRA TX22 | |
| 00327 | 0500 | 00 | 0 | 04442 | A8A | CLA T1+1 | |
| 00330 | 0340 | 00 | 0 | 04441 | | CAS T1 | |
| 00331 | 0020 | 00 | 0 | 00333 | | TRA A8B | |
| 00332 | 0020 | 00 | 0 | 00336 | | TRA TX21 | |
| 00333 | 0074 | 00 | 4 | 06503 | A8B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00334 | 0020 | 00 | 0 | 00306 | | TRA A8 | |
| 00335 | 0020 | 00 | 0 | 00342 | | TRA A9 | |
| 00336 | 0074 | 00 | 4 | 06504 | TX21 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00337 | 0074 | 00 | 4 | 06511 | TX22 | TSX OK,4 | |
| 00340 | 0020 | 00 | 0 | 00306 | | TRA A8 | |

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|-------|--------------|----|---|-------|------|---------------|-----------------------------------|
| 00341 | 444751606060 | | | | | BCD 1MPR | TEST INSTRUCTION |
| 00342 | 0500 | 00 | 0 | 04331 | A9 | CLA K20+2 | L +0 |
| 00343 | 0560 | 00 | 0 | 04337 | | LDQ K20+8 | L +200000000000 |
| 00344 | -0200 | 00 | 0 | 04276 | | MPR K0+4 | MPR BY NOP K20+8 |
| 00345 | -0600 | 00 | 0 | 04441 | | STQ T1 | |
| 00346 | 0500 | 00 | 0 | 04331 | | CLA K20+2 | L +0 |
| 00347 | 0560 | 00 | 0 | 04337 | | LDQ K20+8 | L +200000000000 IN MQ -- K20+8 |
| 00350 | -0200 | 60 | 0 | 04276 | | MPR* K0+4 | MPR BY +200000000000 |
| 00351 | 0560 | 00 | 0 | 04375 | | LDQ K23+7 | L +100000000000 |
| 00352 | 0340 | 00 | 0 | 04375 | | CAS K23+7 | |
| 00353 | 0020 | 00 | 0 | 00355 | | TRA A9A | |
| 00354 | 0020 | 00 | 0 | 00364 | | TRA TX24 | |
| 00355 | 0340 | 00 | 0 | 04441 | A9A | CAS T1 | |
| 00356 | 0020 | 00 | 0 | 00360 | | TRA A9B | |
| 00357 | 0020 | 00 | 0 | 00363 | | TRA TX23 | |
| 00360 | 0074 | 00 | 4 | 06503 | A9B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00361 | 0020 | 00 | 0 | 00342 | | TRA A9 | |
| 00362 | 0020 | 00 | 0 | 00367 | | TRA B1 | |
| 00363 | 0074 | 00 | 4 | 06504 | TX23 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00364 | 0074 | 00 | 4 | 06511 | TX24 | TSX OK,4 | |
| 00365 | 0020 | 00 | 0 | 00342 | | TRA A9 | |

WORD TRANSMISSION
 INSTRUCTIONS

| | | | | | | | |
|-------|--------------|----|---|-------|-----|-----------|------------------|
| 00366 | 432450606060 | | | | | BCD 1LDQ | TEST INSTRUCTION |
| 00367 | 0500 | 00 | 0 | 04331 | B1 | CLA K20+2 | L +0 |
| 00370 | 0560 | 60 | 0 | 04272 | | LDQ* K0 | L +00444 -- K20 |
| 00371 | 0763 | 00 | 0 | 00043 | | LLS 35 | |
| 00372 | 0560 | 00 | 0 | 04327 | | LDQ K20 | L +444 IN MQ |
| 00373 | 0340 | 00 | 0 | 04327 | | CAS K20 | |
| 00374 | 0020 | 00 | 0 | 00376 | | TRA B1A | |
| 00375 | 0020 | 00 | 0 | 00405 | | TRA TX26 | |
| 00376 | 0340 | 00 | 0 | 04272 | B1A | CAS K0 | |

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|-------|--------------|----|---|-------|------|------|-----------|----------------------------|--|
| 00377 | 0020 | 00 | 0 | 00401 | | TRA | B1B | | |
| 00400 | 0020 | 00 | 0 | 00404 | | TRA | TX25 | | |
| 00401 | 0074 | 00 | 4 | 06503 | B1B | TSX | ERROR-1,4 | FAILED TO IA CORRECTLY | |
| 00402 | 0020 | 00 | 0 | 00367 | | TRA | B1 | | |
| 00403 | 0020 | 00 | 0 | 00410 | | TRA | B2 | | |
| 00404 | 0074 | 00 | 4 | 06504 | TX25 | TSX | ERROR,4 | FALSE DIRECT ADDRESSING | |
| 00405 | 0074 | 00 | 4 | 06511 | TX26 | TSX | OK,4 | | |
| 00406 | 0020 | 00 | 0 | 00367 | | TRA | B1 | | |
| | | | | | | | | | |
| 00407 | 626350606060 | | | | | BCD | 1STQ | TEST INSTRUCTION | |
| 00410 | 0600 | 00 | 0 | 04441 | B2 | STZ | T1 | RESET T1 TO ZERO | |
| 00411 | 0500 | 00 | 0 | 04443 | | CLA | T1+2 | L NOP T1 | |
| 00412 | 0601 | 00 | 0 | 04277 | | STO | K0+5 | | |
| 00413 | 0500 | 00 | 0 | 04331 | | CLA | K20+2 | L +0 | |
| 00414 | 0560 | 00 | 0 | 04330 | | LDQ | K20+1 | L +00555 | |
| 00415 | -0600 | 60 | 0 | 04277 | | STQ* | K0+5 | STORE +00555 IN T1 EFF ADR | |
| 00416 | 0500 | 00 | 0 | 04441 | | CLA | T1 | TEMP STOR L +00555 | |
| 00417 | 0340 | 00 | 0 | 04330 | | CAS | K20+1 | | |
| 00420 | 0020 | 00 | 0 | 00422 | | TRA | B2A | | |
| 00421 | 0020 | 00 | 0 | 00432 | | TRA | TX28 | | |
| 00422 | 0500 | 00 | 0 | 04277 | B2A | CLA | K0+5 | L NOP T1 | |
| 00423 | 0340 | 00 | 0 | 04330 | | CAS | K20+1 | | |
| 00424 | 0020 | 00 | 0 | 00426 | | TRA | B2B | | |
| 00425 | 0020 | 00 | 0 | 00431 | | TRA | TX27 | | |
| 00426 | 0074 | 00 | 4 | 06503 | B2B | TSX | ERROR-1,4 | FAILED TO IA CORRECTLY | |
| 00427 | 0020 | 00 | 0 | 00410 | | TRA | B2 | | |
| 00430 | 0020 | 00 | 0 | 00435 | | TRA | B3 | | |
| 00431 | 0074 | 00 | 4 | 06504 | TX27 | TSX | ERROR,4 | FALSE DIRECT ADDRESSING | |
| 00432 | 0074 | 00 | 4 | 06511 | TX28 | TSX | OK,4 | | |
| 00433 | 0020 | 00 | 0 | 00410 | | TRA | B2 | | |
| | | | | | | | | | |
| 00434 | 624350606060 | | | | | BCD | 1SLQ | TEST INSTRUCTION | |
| 00435 | 0600 | 00 | 0 | 04441 | B3 | STZ | T1 | RESET T1 TO ZEROS | |
| 00436 | 0500 | 00 | 0 | 04443 | | CLA | T1+2 | L NOP T1 | |
| 00437 | 0601 | 00 | 0 | 04277 | | STO | K0+5 | RESET | |
| 00440 | 0560 | 00 | 0 | 04340 | | LDQ | K20+9 | L +266777000000 IN MQ | |
| 00441 | -0620 | 60 | 0 | 04277 | | SLQ* | K0+5 | EFFECTIVE ADDR T1 | |
| 00442 | 0500 | 00 | 0 | 04441 | | CLA | T1 | | |
| 00443 | 0340 | 00 | 0 | 04340 | | CAS | K20+9 | | |
| 00444 | 0020 | 00 | 0 | 00446 | | TRA | B3A | | |
| 00445 | 0020 | 00 | 0 | 00456 | | TRA | TX30 | | |
| 00446 | 0500 | 00 | 0 | 04277 | B3A | CLA | K0+5 | | |
| 00447 | 0340 | 00 | 0 | 04340 | | CAS | K20+9 | | |
| 00450 | 0020 | 00 | 0 | 00452 | | TRA | B3B | | |
| 00451 | 0020 | 00 | 0 | 00455 | | TRA | TX29 | | |
| 00452 | 0074 | 00 | 4 | 06503 | B3B | TSX | ERROR-1,4 | FAILED TO IA CORRECTLY | |
| 00453 | 0020 | 00 | 0 | 00435 | | TRA | B3 | | |
| 00454 | 0020 | 00 | 0 | 00461 | | TRA | B4 | | |
| 00455 | 0074 | 00 | 4 | 06504 | TX29 | TSX | ERROR,4 | FALSE DIRECT ADDRESSING | |
| 00456 | 0074 | 00 | 4 | 06511 | TX30 | TSX | OK,4 | | |
| 00457 | 0020 | 00 | 0 | 00435 | | TRA | B3 | | |
| | | | | | | | | | |
| 00460 | 626346606060 | | | | | BCD | 1STO | TEST INSTRUCTION | |

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|-------|--------------|----|---|-------|------|---------------|-----------------------------|
| 00461 | 0600 | 00 | 0 | 04442 | B4 | STZ T1+1 | RESET T1+1 TO ZEROS |
| 00462 | 0500 | 00 | 0 | 04444 | | CLA T1+3 | L NOP T1+1 |
| 00463 | 0601 | 00 | 0 | 04300 | | STO K0+6 | RESET |
| 00464 | 0500 | 00 | 0 | 04342 | | CLA K21+1 | L +377777777777 |
| 00465 | 0601 | 60 | 0 | 04300 | | STO* K0+6 | EFFECTIVE ADR T1+1 |
| 00466 | 0560 | 00 | 0 | 04342 | | LDQ K21+1 | |
| 00467 | 0500 | 00 | 0 | 04442 | | CLA T1+1 | |
| 00470 | 0340 | 00 | 0 | 04342 | | CAS K21+1 | |
| 00471 | 0020 | 00 | 0 | 00473 | | TRA B4A | |
| 00472 | 0020 | 00 | 0 | 00503 | | TRA TX32 | |
| 00473 | 0500 | 00 | 0 | 04300 | B4A | CLA K0+6 | |
| 00474 | 0340 | 00 | 0 | 04342 | | CAS K21+1 | |
| 00475 | 0020 | 00 | 0 | 00477 | | TRA B4B | |
| 00476 | 0020 | 00 | 0 | 00502 | | TRA TX31 | |
| 00477 | 0074 | 00 | 4 | 06503 | B4B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00500 | 0020 | 00 | 0 | 00461 | | TRA B4 | |
| 00501 | 0020 | 00 | 0 | 00506 | | TRA B5 | |
| 00502 | 0074 | 00 | 4 | 06504 | TX31 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00503 | 0074 | 00 | 4 | 06511 | TX32 | TSX OK,4 | |
| 00504 | 0020 | 00 | 0 | 00461 | | TRA B4 | |
| | | | | | | | |
| 00505 | 626347606060 | | | | | BCD 1STP | TEST INSTRUCTION |
| 00506 | 0600 | 00 | 0 | 04441 | B5 | STZ T1 | RESET T1 TO ZEROS |
| 00507 | 0500 | 00 | 0 | 04443 | | CLA T1+2 | L NOP T1 |
| 00510 | 0601 | 00 | 0 | 04277 | | STO K0+5 | RESET |
| 00511 | 0500 | 00 | 0 | 04344 | | CLA K21+3 | L +300000000000 |
| 00512 | 0767 | 00 | 0 | 00001 | | ALS 1 | PLACE A 1 BIT IN P OF ACC |
| 00513 | 0630 | 60 | 0 | 04277 | | STP* K0+5 | STORE PREFIX EFF ADR T1 |
| 00514 | 0140 | 00 | 0 | 00515 | | TOV B5C | TURN OFF AC OVERFLOW IND |
| 00515 | 0560 | 00 | 0 | 04351 | B5C | LDQ K21+8 | L -200000000000 IN MQ |
| 00516 | 0500 | 00 | 0 | 04441 | | CLA T1 | |
| 00517 | 0340 | 00 | 0 | 04351 | | CAS K21+8 | |
| 00520 | 0020 | 00 | 0 | 00522 | | TRA B5A | |
| 00521 | 0020 | 00 | 0 | 00532 | | TRA TX34 | |
| 00522 | 0500 | 00 | 0 | 04277 | B5A | CLA K0+5 | |
| 00523 | 0340 | 00 | 0 | 04351 | | CAS K21+8 | |
| 00524 | 0020 | 00 | 0 | 00526 | | TRA B5B | |
| 00525 | 0020 | 00 | 0 | 00531 | | TRA TX33 | |
| 00526 | 0074 | 00 | 4 | 06503 | B5B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00527 | 0020 | 00 | 0 | 00506 | | TRA B5 | |
| 00530 | 0020 | 00 | 0 | 00535 | | TRA B6 | |
| 00531 | 0074 | 00 | 4 | 06504 | TX33 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 00532 | 0074 | 00 | 4 | 06511 | TX34 | TSX OK,4 | |
| 00533 | 0020 | 00 | 0 | 00506 | | TRA B5 | |
| | | | | | | | |
| 00534 | 626324606060 | | | | | BCD 1STD | TEST INSTRUCTION |
| 00535 | 0600 | 00 | 0 | 04442 | B6 | STZ T1+1 | RESET T1+1 TO ZEROS |
| 00536 | 0500 | 00 | 0 | 04444 | | CLA T1+3 | L NOP T1+1 |
| 00537 | 0601 | 00 | 0 | 04300 | | STO K0+6 | RESET |
| 00540 | 0500 | 00 | 0 | 04345 | | CLA K21+4 | L +0777777000000 |
| 00541 | 0622 | 60 | 0 | 04300 | | STD* K0+6 | STORE +077777000000 IN T1+1 |
| 00542 | 0560 | 00 | 0 | 04345 | | LDQ K21+4 | L +0777777000000 |
| 00543 | 0500 | 00 | 0 | 04442 | | CLA T1+1 | |
| 00544 | 0340 | 00 | 0 | 04345 | | CAS K21+4 | |

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|-------|------|----|---|-------|------|-----|-----------|-------------------------|
| 00545 | 0020 | 00 | 0 | 00547 | | TRA | B6A | |
| 00546 | 0020 | 00 | 0 | 00557 | | TRA | TX36 | |
| 00547 | 0500 | 00 | 0 | 04300 | B6A | CLA | K0+6 | |
| 00550 | 0340 | 00 | 0 | 04345 | | CAS | K21+4 | |
| 00551 | 0020 | 00 | 0 | 00553 | | TRA | B6B | |
| 00552 | 0020 | 00 | 0 | 00556 | | TRA | TX35 | |
| 00553 | 0074 | 00 | 4 | 06503 | B6B | TSX | ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00554 | 0020 | 00 | 0 | 00535 | | TRA | B6 | |
| 00555 | 0020 | 00 | 0 | 00562 | | TRA | B7 | |
| 00556 | 0074 | 00 | 4 | 06504 | TX35 | TSX | ERROR,4 | FALSE DIRECT ADDRESSING |
| 00557 | 0074 | 00 | 4 | 06511 | TX36 | TSX | OK,4 | |
| 00560 | 0020 | 00 | 0 | 00535 | | TRA | B6 | |

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|-------|--------------|----|---|-------|------|------|-----------|-------------------------|
| 00561 | 626321606060 | | | | | BCD | 1STA | TEST INSTRUCTION |
| 00562 | 0600 | 00 | 0 | 04441 | B7 | STZ | T1 | RESET T1 TO ZEROS |
| 00563 | 0500 | 00 | 0 | 04443 | | CLA | T1+2 | L NOP T1 |
| 00564 | 0601 | 00 | 0 | 04277 | | STO | K0+5 | RESET |
| 00565 | 0500 | 00 | 0 | 04346 | | CLA | K21+5 | L +77777 |
| 00566 | 0621 | 60 | 0 | 04277 | | STA* | K0+5 | STORE +077777 IN T1 |
| 00567 | 0560 | 00 | 0 | 04346 | | LDQ | K21+5 | L +77777 IN MQ |
| 00570 | 0500 | 00 | 0 | 04441 | | CLA | T1 | |
| 00571 | 0340 | 00 | 0 | 04346 | | CAS | K21+5 | |
| 00572 | 0020 | 00 | 0 | 00574 | | TRA | B7A | |
| 00573 | 0020 | 00 | 0 | 00604 | | TRA | TX38 | |
| 00574 | 0500 | 00 | 0 | 04277 | B7A | CLA | K0+5 | |
| 00575 | 0340 | 00 | 0 | 04346 | | CAS | K21+5 | |
| 00576 | 0020 | 00 | 0 | 00600 | | TRA | B7B | |
| 00577 | 0020 | 00 | 0 | 00603 | | TRA | TX37 | |
| 00600 | 0074 | 00 | 4 | 06503 | B7B | TSX | ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00601 | 0020 | 00 | 0 | 00562 | | TRA | B7 | |
| 00602 | 0020 | 00 | 0 | 00607 | | TRA | B8 | |
| 00603 | 0074 | 00 | 4 | 06504 | TX37 | TSX | ERROR,4 | FALSE DIRECT ADDRESSING |
| 00604 | 0074 | 00 | 4 | 06511 | TX38 | TSX | OK,4 | |
| 00605 | 0020 | 00 | 0 | 00562 | | TRA | B7 | |

LOGICAL OPERATIONS

| | | | | | | | | |
|-------|--------------|----|---|-------|------|------|-----------|--------------------------|
| 00606 | 232143606060 | | | | | BCD | 1CAL | TEST INSTRUCTION |
| 00607 | -0500 | 60 | 0 | 04301 | B8 | CAL* | K0+7 | L -377777777777 -- K21+6 |
| 00610 | 0560 | 00 | 0 | 04347 | | LDQ | K21+6 | L -377777777777 IN MQ |
| 00611 | -0760 | 00 | 0 | 00001 | | PBT | | |
| 00612 | 0020 | 00 | 0 | 00617 | | TRA | B8A | ZERO IN P BIT OF AC |
| 00613 | 0771 | 00 | 0 | 00001 | | ARS | 1 | |
| 00614 | 0340 | 00 | 0 | 04342 | | CAS | K21+1 | |
| 00615 | 0020 | 00 | 0 | 00617 | | TRA | B8A | |
| 00616 | 0020 | 00 | 0 | 00626 | | TRA | TX40 | |
| 00617 | 0340 | 00 | 0 | 04301 | B8A | CAS | K0+7 | |
| 00620 | 0020 | 00 | 0 | 00622 | | TRA | B8B | |
| 00621 | 0020 | 00 | 0 | 00625 | | TRA | TX39 | |
| 00622 | 0074 | 00 | 4 | 06503 | B8B | TSX | ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00623 | 0020 | 00 | 0 | 00607 | | TRA | B8 | |
| 00624 | 0020 | 00 | 0 | 00631 | | TRA | B9 | |
| 00625 | 0074 | 00 | 4 | 06504 | TX39 | TSX | ERROR,4 | FALSE DIRECT ADDRESSING |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 00626 | 0074 | 00 | 4 | 06511 | TX40 | TSX OK, 4 | |
| 00627 | 0020 | 00 | 0 | 00607 | | TRA B8 | |
| 00630 | 212343606060 | | | | | BCD 1ACL | TEST INSTRUCTION |
| 00631 | 0600 | 00 | 0 | 04441 | B9 | STZ T1 | RESET T1 TO ZEROS |
| 00632 | 0500 | 00 | 0 | 04443 | | CLA T1+2 | L NOP T1 |
| 00633 | 0601 | 00 | 0 | 04277 | | STO K0+5 | RESET |
| 00634 | 0500 | 00 | 0 | 04350 | | CLA K21+7 | L +377000000000 |
| 00635 | 0361 | 00 | 0 | 04302 | | ACL K0+8 | ACL NOP K21+8 |
| 00636 | 0602 | 00 | 0 | 04441 | | SLW T1 | |
| 00637 | 0500 | 00 | 0 | 04350 | | CLA K21+7 | L +377000000000 |
| 00640 | 0361 | 60 | 0 | 04302 | | ACL* K0+8 | ACL -200000000000 -- K21+8 |
| 00641 | 0560 | 00 | 0 | 04352 | | LDQ K21+9 | L +177000000001 IN MQ |
| 00642 | 0340 | 00 | 0 | 04352 | | CAS K21+9 | |
| 00643 | 0020 | 00 | 0 | 00645 | | TRA B9A | |
| 00644 | 0020 | 00 | 0 | 00654 | | TRA TX42 | |
| 00645 | -0340 | 00 | 0 | 04441 | B9A | LAS T1 | |
| 00646 | 0020 | 00 | 0 | 00650 | | TRA B9B | |
| 00647 | 0020 | 00 | 0 | 00653 | | TRA TX41 | |
| 00650 | 0074 | 00 | 4 | 06503 | B9B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 00651 | 0020 | 00 | 0 | 00631 | | TRA B9 | |
| 00652 | 0020 | 00 | 0 | 00657 | | TRA B10 | |
| 00653 | 0074 | 00 | 4 | 06504 | TX41 | TSX ERROR, 4 | FALSE DIRECT ADDRESSING |
| 00654 | 0074 | 00 | 4 | 06511 | TX42 | TSX OK, 4 | |
| 00655 | 0020 | 00 | 0 | 00631 | | TRA B9 | |
| 00656 | 624366606060 | | | | | BCD 1SLW | TEST INSTRUCTION |
| 00657 | 0600 | 00 | 0 | 04441 | B10 | STZ T1 | RESET T1 TO ZEROS |
| 00660 | 0500 | 00 | 0 | 04443 | | CLA T1+2 | L NOP T1 |
| 00661 | 0601 | 00 | 0 | 04277 | | STO K0+5 | RESET |
| 00662 | 0500 | 00 | 0 | 04342 | | CLA K21+1 | L +377777777777 |
| 00663 | 0767 | 00 | 0 | 00001 | | ALS 1 | PLACE 1 BIT IN P OF ACC |
| 00664 | 0140 | 00 | 0 | 00665 | | TOV *+1 | TURN OFF OVFL INDICATOR |
| 00665 | 0400 | 00 | 0 | 04424 | | ADD K26+5 | L +12 |
| 00666 | 0602 | 60 | 0 | 04277 | | SLW* K0+5 | STORE -377777777777 IN T1 |
| 00667 | 0560 | 00 | 0 | 04347 | | LDQ K21+6 | L -377777777777 IN MQ |
| 00670 | 0500 | 00 | 0 | 04441 | | CLA T1 | |
| 00671 | 0340 | 00 | 0 | 04347 | | CAS K21+6 | |
| 00672 | 0020 | 00 | 0 | 00674 | | TRA B10A | |
| 00673 | 0020 | 00 | 0 | 00704 | | TRA TX44 | |
| 00674 | 0500 | 00 | 0 | 04277 | B10A | CLA K0+5 | |
| 00675 | 0340 | 00 | 0 | 04347 | | CAS K21+6 | |
| 00676 | 0020 | 00 | 0 | 00700 | | TRA B10B | |
| 00677 | 0020 | 00 | 0 | 00703 | | TRA TX43 | |
| 00700 | 0074 | 00 | 4 | 06503 | B10B | TSX ERROR-1,4 | FAILED TO IA CORRECTY |
| 00701 | 0020 | 00 | 0 | 00657 | | TRA B10 | |
| 00702 | 0020 | 00 | 0 | 00707 | | TRA B11 | |
| 00703 | 0074 | 00 | 4 | 06504 | TX43 | TSX ERROR, 4 | FALSE DIRECT ADDRESSING |
| 00704 | 0074 | 00 | 4 | 06511 | TX44 | TSX OK, 4 | |
| 00705 | 0020 | 00 | 0 | 00657 | | TRA B10 | |
| 00706 | 214521606060 | | | | | BCD 1ANA | TEST INSTRUCTION |
| 00707 | 0500 | 00 | 0 | 04342 | B11 | CLA K21+1 | L +377777777777 |

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|-------|--------------|----|---|-------|------|--------------------------------------|------------------------------|
| 00710 | -0320 | 60 | 0 | 04301 | | ANA* K0+7 | ANA -377777777777 -- K21+6 |
| 00711 | 0560 | 00 | 0 | 04342 | | LDQ K21+1 | |
| 00712 | 0340 | 00 | 0 | 04342 | | CAS K21+1 | |
| 00713 | 0020 | 00 | 0 | 00715 | | TRA B11A | |
| 00714 | 0020 | 00 | 0 | 00724 | | TRA TX46 | |
| 00715 | 0340 | 00 | 0 | 04301 | B11A | CAS K0+7 | |
| 00716 | 0020 | 00 | 0 | 00720 | | TRA B11B | |
| 00717 | 0020 | 00 | 0 | 00723 | | TRA TX45 | |
| 00720 | 0074 | 00 | 4 | 06503 | B11B | TSX ERROR-1,4 FAILED TO IA CORRECTLY | |
| 00721 | 0020 | 00 | 0 | 00707 | | TRA B11 | |
| 00722 | 0020 | 00 | 0 | 00727 | | TRA B12 | |
| 00723 | 0074 | 00 | 4 | 06504 | TX45 | TSX ERROR,4 FALSE DIRECT ADDRESSING | |
| 00724 | 0074 | 00 | 4 | 06511 | TX46 | TSX OK,4 | |
| 00725 | 0020 | 00 | 0 | 00707 | | TRA B11 | |
| | | | | | | | |
| 00726 | 214521606060 | | | | | BCD 1ANA | TEST INSTRUCTION |
| 00727 | 0500 | 00 | 0 | 04342 | B12 | CLA K21+1 | L +377777777777 |
| 00730 | 0767 | 00 | 0 | 00001 | | ALS 1 | |
| 00731 | 0140 | 00 | 0 | 00732 | | TOV *+1 | TURN OFF OVFL INDICATOR |
| 00732 | 0400 | 00 | 0 | 04424 | | ADD K26+5 | L +1 |
| 00733 | -0320 | 60 | 0 | 04302 | | ANA* K0+8 | ANA -20000000000000 -- K21+8 |
| 00734 | 0560 | 00 | 0 | 04351 | | LDQ K21+8 | L -20000000000000 IN MQ |
| 00735 | -0340 | 00 | 0 | 04351 | | LAS K21+8 | |
| 00736 | 0020 | 00 | 0 | 00740 | | TRA B12A | |
| 00737 | 0020 | 00 | 0 | 00747 | | TRA TX48 | |
| 00740 | -0340 | 00 | 0 | 04302 | B12A | LAS K0+8 | |
| 00741 | 0020 | 00 | 0 | 00743 | | TRA B12B | |
| 00742 | 0020 | 00 | 0 | 00746 | | TRA TX47 | |
| 00743 | 0074 | 00 | 4 | 06503 | B12B | TSX ERROR-1,4 FAILED TO IA CORRECTLY | |
| 00744 | 0020 | 00 | 0 | 00727 | | TRA B12 | |
| 00745 | 0020 | 00 | 0 | 00752 | | TRA B13 | |
| 00746 | 0074 | 00 | 4 | 06504 | TX47 | TSX ERROR,4 FALSE DIRECT ADDRESSING | |
| 00747 | 0074 | 00 | 4 | 06511 | TX48 | TSX OK,4 | |
| 00750 | 0020 | 00 | 0 | 00727 | | TRA B12 | |
| | | | | | | | |
| 00751 | 214562606060 | | | | | BCD 1ANS | TEST INSTRUCTION |
| 00752 | 0600 | 00 | 0 | 04442 | B13 | STZ T1+1 | RESET T1+1 TO ZEROS |
| 00753 | 0500 | 00 | 0 | 04444 | | CLA T1+3 | L NOP T1+1 |
| 00754 | 0601 | 00 | 0 | 04300 | | STO K0+6 | RESET |
| 00755 | 0500 | 00 | 0 | 04347 | | CLA K21+6 | L -377777777777 |
| 00756 | 0601 | 00 | 0 | 04442 | | STO T1+1 | |
| 00757 | 0500 | 00 | 0 | 04341 | | CLA K21 | L +77777 |
| 00760 | 0320 | 60 | 0 | 04300 | | ANS* K0+6 | ANS +077777 TO T1+1 EFF |
| 00761 | 0560 | 00 | 0 | 04341 | | LDQ K21 | |
| 00762 | 0500 | 00 | 0 | 04442 | | CLA T1+1 | |
| 00763 | 0340 | 00 | 0 | 04341 | | CAS K21 | |
| 00764 | 0020 | 00 | 0 | 00766 | | TRA B13A | |
| 00765 | 0020 | 00 | 0 | 00776 | | TRA TX50 | |
| 00766 | 0500 | 00 | 0 | 04300 | B13A | CLA K0+6 | |
| 00767 | 0340 | 00 | 0 | 04341 | | CAS K21 | |
| 00770 | 0020 | 00 | 0 | 00772 | | TRA B13B | |
| 00771 | 0020 | 00 | 0 | 00775 | | TRA TX49 | |
| 00772 | 0074 | 00 | 4 | 06503 | B13B | TSX ERROR-1,4 FAILED TO IA CORRECTLY | |
| 00773 | 0020 | 00 | 0 | 00752 | | TRA B13 | |

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|----------------------------|--------------|----|---|-------|------|------|-----------|--------|---------------------------|
| 00774 | 0020 | 00 | 0 | 01001 | | TRA | B14 | | |
| 00775 | 0074 | 00 | 4 | 06504 | TX49 | TSX | ERROR,4 | FALSE | DIRECT ADDRESSING |
| 00776 | 0074 | 00 | 4 | 06511 | TX50 | TSX | OK,4 | | |
| 00777 | 0020 | 00 | 0 | 00752 | | TRA | B13 | | |
| | | | | | | | | | |
| 01000 | 465121606060 | | | | | BCD | 1ORA | TEST | INSTRUCTION |
| 01001 | 0600 | 00 | 0 | 04441 | B14 | STZ | T1 | RESET | T1 TO ZEROS |
| 01002 | 0500 | 00 | 0 | 04406 | | CLA | K24+7 | L | +377740000000 |
| 01003 | -0501 | 00 | 0 | 04320 | | ORA | K3+5 | ORA | NOP K24+3 |
| 01004 | 0601 | 00 | 0 | 04441 | | STO | T1 | | |
| 01005 | 0500 | 00 | 0 | 04406 | | CLA | K24+7 | L | +377740000000 |
| 01006 | -0501 | 60 | 0 | 04320 | | ORA* | K3+5 | ORA | +7777777777 -- K24+3 |
| 01007 | 0560 | 00 | 0 | 04342 | | LDQ | K21+1 | L | +377777777777 IN MQ |
| 01010 | 0340 | 00 | 0 | 04342 | | CAS | K21+1 | | |
| 01011 | 0020 | 00 | 0 | 01013 | | TRA | B14A | | |
| 01012 | 0020 | 00 | 0 | 01022 | | TRA | TX52 | | |
| 01013 | 0340 | 00 | 0 | 04441 | B14A | CAS | T1 | | |
| 01014 | 0020 | 00 | 0 | 01016 | | TRA | B14B | | |
| 01015 | 0020 | 00 | 0 | 01021 | | TRA | TX51 | | |
| 01016 | 0074 | 00 | 4 | 06503 | B14B | TSX | ERROR-1,4 | FAILED | TO IA CORRECTLY |
| 01017 | 0020 | 00 | 0 | 01001 | | TRA | B14 | | |
| 01020 | 0020 | 00 | 0 | 01025 | | TRA | B15 | | |
| 01021 | 0074 | 00 | 4 | 06504 | TX51 | TSX | ERROR,4 | FALSE | DIRECT ADDRESSING |
| 01022 | 0074 | 00 | 4 | 06511 | TX52 | TSX | OK,4 | | |
| 01023 | 0020 | 00 | 0 | 01001 | | TRA | B14 | | |
| | | | | | | | | | |
| 01024 | 465162606060 | | | | | BCD | 1ORS | TEST | INSTRUCTION |
| 01025 | 0600 | 00 | 0 | 04441 | B15 | STZ | T1 | RESET | T1 TO ZEROS |
| 01026 | 0500 | 00 | 0 | 04443 | | CLA | T1+2 | L | NOP T1 |
| 01027 | 0601 | 00 | 0 | 04277 | | STO | K0+5 | RESET | |
| 01030 | 0500 | 00 | 0 | 04351 | | CLA | K21+8 | L | -2000000000000 |
| 01031 | 0601 | 00 | 0 | 04441 | | STO | T1 | | |
| 01032 | 0500 | 00 | 0 | 04342 | | CLA | K21+1 | L | +37777777777777 |
| 01033 | -0602 | 60 | 0 | 04277 | | ORS* | K0+5 | ORS | +37777777777777 TO T1 EFF |
| 01034 | 0560 | 00 | 0 | 04347 | | LDQ | K21+6 | L | -37777777777777 IN MQ |
| 01035 | 0500 | 00 | 0 | 04441 | | CLA | T1 | L | -77777777777777 |
| 01036 | 0340 | 00 | 0 | 04347 | | CAS | K21+6 | | |
| 01037 | 0020 | 00 | 0 | 01041 | | TRA | B15A | | |
| 01040 | 0020 | 00 | 0 | 01051 | | TRA | TX54 | | |
| 01041 | 0500 | 00 | 0 | 04277 | B15A | CLA | K0+5 | L | NOP T1 |
| 01042 | 0340 | 00 | 0 | 04342 | | CAS | K21+1 | | |
| 01043 | 0020 | 00 | 0 | 01045 | | TRA | B15B | | |
| 01044 | 0020 | 00 | 0 | 01050 | | TRA | TX53 | | |
| 01045 | 0074 | 00 | 4 | 06503 | B15B | TSX | ERROR-1,4 | FAILED | TO IA CORRECTLY |
| 01046 | 0020 | 00 | 0 | 01025 | | TRA | B15 | | |
| 01047 | 0020 | 00 | 0 | 01054 | | TRA | C1 | | |
| 01050 | 0074 | 00 | 4 | 06504 | TX53 | TSX | ERROR,4 | FALSE | DIRECT ADDRESSING |
| 01051 | 0074 | 00 | 4 | 06511 | TX54 | TSX | OK,4 | | |
| 01052 | 0020 | 00 | 0 | 01025 | | TRA | B15 | | |
| | | | | | | | | | |
| TEST - INDEXABLE TRANSFERS | | | | | | | | | |
| 01053 | 635121606060 | | | | | BCD | 1TRA | TEST | INSTRUCTION |

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|-------|------|----|---|-------|------|---------------|-------------------------|
| 01054 | 0020 | 60 | 0 | 01060 | C1 | TRA* C2A | SHOULD XFER |
| 01055 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 01056 | 0020 | 00 | 0 | 01054 | | TRA C1 | |
| 01057 | 0020 | 00 | 0 | 01065 | C2 | TRA C3 | |
| 01060 | 0761 | 00 | 0 | 01062 | C2A | NOP TX55 | |
| 01061 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01062 | 0074 | 00 | 4 | 06511 | TX55 | TSX OK,4 | |
| 01063 | 0020 | 00 | 0 | 01054 | | TRA C1 | |

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|-------|--------------|----|---|-------|------|---------------|-------------------------|
| 01064 | 637125606060 | | | | | BCD 1TZE | TEST INSTRUCTION |
| 01065 | 0500 | 00 | 0 | 04331 | C3 | CLA K20+2 | L +0 |
| 01066 | 0100 | 60 | 0 | 01072 | | TZE* C3A | SHOULD XFER |
| 01067 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 01070 | 0020 | 00 | 0 | 01065 | | TRA C3 | |
| 01071 | 0020 | 00 | 0 | 01077 | | TRA C4 | |
| 01072 | 0761 | 00 | 0 | 01074 | C3A | NOP TX56 | |
| 01073 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01074 | 0074 | 00 | 4 | 06511 | TX56 | TSX OK,4 | |
| 01075 | 0020 | 00 | 0 | 01065 | | TRA C3 | |

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|-------|--------------|----|---|-------|------|---------------|-------------------------|
| 01076 | 634743606060 | | | | | BCD 1TPL | TEST INSTRUCTION |
| 01077 | 0500 | 00 | 0 | 04327 | C4 | CLA K20 | L +00444 |
| 01100 | 0120 | 60 | 0 | 01104 | | TPL* C4A | SHOULD XFER |
| 01101 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 01102 | 0020 | 00 | 0 | 01077 | | TRA C4 | |
| 01103 | 0020 | 00 | 0 | 01111 | | TRA C5 | |
| 01104 | 0761 | 00 | 0 | 01106 | C4A | NOP TX57 | |
| 01105 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01106 | 0074 | 00 | 4 | 06511 | TX57 | TSX OK,4 | |
| 01107 | 0020 | 00 | 0 | 01077 | | TRA C4 | |

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|-------|--------------|----|---|-------|------|---------------|-------------------------|
| 01110 | 634431606060 | | | | | BCD 1TMI | TEST INSTRUCTION |
| 01111 | 0500 | 00 | 0 | 04347 | C5 | CLA K21+6 | L -377777777777 |
| 01112 | -0120 | 60 | 0 | 01116 | | TMI* C5A | SHOULD XFER |
| 01113 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 01114 | 0020 | 00 | 0 | 01111 | | TRA C5 | |
| 01115 | 0020 | 00 | 0 | 01123 | | TRA C6 | |
| 01116 | 0761 | 00 | 0 | 01120 | C5A | NOP TX58 | |
| 01117 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01120 | 0074 | 00 | 4 | 06511 | TX58 | TSX OK,4 | |
| 01121 | 0020 | 00 | 0 | 01111 | | TRA C5 | |

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|-------|--------------|----|---|-------|-----|---------------|-------------------------|
| 01122 | 634665606060 | | | | | BCD 1TOV | TEST INSTRUCTION |
| 01123 | 0140 | 00 | 0 | 01124 | C6 | TOV C6+1 | TURN OFF OVFLOW IND |
| 01124 | 0500 | 00 | 0 | 04344 | | CLA K21+3 | L +300000000000 |
| 01125 | 0767 | 00 | 0 | 00002 | | ALS 2 | ACC LEFT SHIFT 2 |
| 01126 | 0140 | 60 | 0 | 01132 | | TOV* C6A | SHOULD XFER |
| 01127 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 01130 | 0020 | 00 | 0 | 01123 | | TRA C6 | |
| 01131 | 0020 | 00 | 0 | 01137 | | TRA C7 | |
| 01132 | 0761 | 00 | 0 | 01134 | C6A | NOP TX59 | |
| 01133 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |

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|-------|--------------|----|---|-------|------|----------------|-------------------------------|
| 01134 | 0074 | 00 | 4 | 06511 | TX59 | TSX OK, 4 | |
| 01135 | 0020 | 00 | 0 | 01123 | | TRA C6 | |
| | | | | | | | |
| 01136 | 634546606060 | | | | | BCD 1TNO | TEST INSTRUCTION |
| 01137 | 0140 | 00 | 0 | 01140 | C7 | TOV C7+1 | TURN OFF OVFLOW IND |
| 01140 | -0140 | 60 | 0 | 01144 | | TNO* C7A | SHOULD XFER |
| 01141 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1, 4 | FAILED TO XFER |
| 01142 | 0020 | 00 | 0 | 01137 | | TRA C7 | |
| 01143 | 0020 | 00 | 0 | 01151 | | TRA C8 | |
| 01144 | 0761 | 00 | 0 | 01146 | C7A | NOP TX60 | |
| 01145 | 0074 | 00 | 4 | 06504 | | TSX ERROR, 4 | FALSE DIRECT ADDRESSING |
| 01146 | 0074 | 00 | 4 | 06511 | TX60 | TSX OK, 4 | |
| 01147 | 0020 | 00 | 0 | 01151 | | TRA C8 | |
| | | | | | | | |
| 01150 | 635047606060 | | | | | BCD 1TQP | TEST INSTRUCTION |
| 01151 | 0560 | 00 | 0 | 04330 | C8 | LDQ K20+1 | L +00555 IN MQ |
| 01152 | 0162 | 60 | 0 | 01156 | | TQP* C8A | SHOULD XFER |
| 01153 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1, 4 | FAILED TO XFER |
| 01154 | 0020 | 00 | 0 | 01151 | | TRA C8 | |
| 01155 | 0020 | 00 | 0 | 01163 | | TRA C9 | |
| 01156 | 0761 | 00 | 0 | 01160 | C8A | NOP TX61 | |
| 01157 | 0074 | 00 | 4 | 06504 | | TSX ERROR, 4 | FALSE DIRECT ADDRESSING |
| 01160 | 0074 | 00 | 4 | 06511 | TX61 | TSX OK, 4 | |
| 01161 | 0020 | 00 | 0 | 01151 | | TRA C8 | |
| | | | | | | | |
| 01162 | 635047606060 | | | | | BCD 1TQP | TEST INSTRUCTION |
| | | | | | | | WITH MQ NOT PLUS |
| 01163 | 0560 | 00 | 0 | 04347 | C9 | LDQ K21+6 | L -377777777777 IN MQ |
| 01164 | 0162 | 60 | 0 | 01166 | | TQP* C9A | SHOULD NOT XFER |
| 01165 | 0020 | 00 | 0 | 01173 | | TRA TX62 | |
| 01166 | 0761 | 00 | 0 | 01172 | C9A | NOP C9B | |
| 01167 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1, 4 | FALUSE XFER TO DIRECT ADR |
| 01170 | 0020 | 00 | 0 | 01163 | | TRA C9 | |
| 01171 | 0020 | 00 | 0 | 01176 | | TRA C10 | |
| 01172 | 0074 | 00 | 4 | 06504 | C9B | TSX ERROR, 4 | FALSE XFER TO TO INDIRECT ADR |
| 01173 | 0074 | 00 | 4 | 06511 | TX62 | TSX OK, 4 | |
| 01174 | 0020 | 00 | 0 | 01163 | | TRA C9 | |
| | | | | | | | |
| 01175 | 634350606060 | | | | | BCD 1TLQ | TEST INSTRUCTION |
| 01176 | 0500 | 00 | 0 | 04345 | C10 | CLA K21+4 | L +077777000000 |
| 01177 | 0560 | 00 | 0 | 04346 | | LDQ K21+5 | L +000000077777 IN MQ |
| 01200 | 0040 | 60 | 0 | 01204 | | TLQ* C10A | SHOULD XFER |
| 01201 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1, 4 | FAILED TO XFER |
| 01202 | 0020 | 00 | 0 | 01176 | | TRA C10 | |
| 01203 | 0020 | 00 | 0 | 01211 | | TRA C11 | |
| 01204 | 0761 | 00 | 0 | 01206 | C10A | NOP TX63 | |
| 01205 | 0074 | 00 | 4 | 06504 | | TSX ERROR, 4 | FALSE DIRECT ADDRESSING |
| 01206 | 0074 | 00 | 4 | 06511 | TX63 | TSX OK, 4 | |
| 01207 | 0020 | 00 | 0 | 01176 | | TRA C10 | |
| | | | | | | | |
| 01210 | 634350606060 | | | | | BCD 1TLQ | TEST INSTRUCTION |

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|-------|--------------|----|---|-------|------|---------------|--|
| | | | | | | | WITH MQ NOT LOW |
| 01211 | 0500 | 00 | 0 | 04351 | C11 | CLA K21+8 | L -200000000000 |
| 01212 | 0560 | 00 | 0 | 04337 | | LDQ K20+8 | L +200000000000 |
| 01213 | 0040 | 60 | 0 | 01215 | | TLQ* C11A | SHOULD NOT XFER |
| 01214 | 0020 | 00 | 0 | 01222 | | TRA TX64 | |
| 01215 | 0761 | 00 | 0 | 01221 | C11A | NOP C11B | |
| 01216 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01217 | 0020 | 00 | 0 | 01211 | | TRA C11 | |
| 01220 | 0020 | 00 | 0 | 01225 | | TRA C12 | |
| 01221 | 0074 | 00 | 4 | 06504 | C11B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01222 | 0074 | 00 | 4 | 06511 | TX64 | TSX OK,4 | |
| 01223 | 0020 | 00 | 0 | 01211 | | TRA C11 | |
| | | | | | | | |
| 01224 | 636351606060 | | | | | BCD 1TTR | TEST INSTRUCTION IN NORMAL MODE |
| 01225 | 0021 | 60 | 0 | 01231 | C12 | TTR* C12A | SHOULD XFER |
| 01226 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 01227 | 0020 | 00 | 0 | 01225 | | TRA C12 | |
| 01230 | 0020 | 00 | 0 | 01236 | | TRA C13 | |
| 01231 | 0761 | 00 | 0 | 01233 | C12A | NOP TX65 | |
| 01232 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01233 | 0074 | 00 | 4 | 06511 | TX65 | TSX OK,4 | |
| 01234 | 0020 | 00 | 0 | 01225 | | TRA C12 | |
| | | | | | | | |
| 01235 | 232162606060 | | | | | BCD 1CAS | TEST INSTRUCTION WITH ACC HIGH |
| 01236 | 0500 | 00 | 0 | 04272 | C13 | CLA K0 | L NOP K20 |
| 01237 | 0560 | 00 | 0 | 01241 | | LDQ C13A | L TRA TX66 IN MQ |
| 01240 | 0340 | 60 | 0 | 04272 | | CAS* K0 | |
| 01241 | 0020 | 00 | 0 | 01247 | C13A | TRA TX66 | |
| 01242 | 0020 | 00 | 0 | 01246 | | TRA C13B | |
| 01243 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO IA CORRECTLY ACC SHOULD NOT BE LOW |
| 01244 | 0020 | 00 | 0 | 01236 | | TRA C13 | |
| 01245 | 0020 | 00 | 0 | 01252 | | TRA C14 | |
| 01246 | 0074 | 00 | 4 | 06504 | C13B | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01247 | 0074 | 00 | 4 | 06511 | TX66 | TSX OK,4 | |
| 01250 | 0020 | 00 | 0 | 01236 | | TRA C13 | |
| | | | | | | | |
| 01251 | 232162606060 | | | | | BCD 1CAS | TEST INSTRUCTION WITH ACC LOW |
| 01252 | 0500 | 00 | 0 | 04311 | C14 | CLA K2+1 | L NOP K21+1 |
| 01253 | 0560 | 00 | 0 | 01257 | | LDQ C14A | L TRA TO TX68 IN MQ |
| 01254 | 0340 | 60 | 0 | 04311 | | CAS* K2+1 | |
| 01255 | 0020 | 00 | 0 | 01260 | | TRA C14B | |
| 01256 | 0020 | 00 | 0 | 01263 | | TRA TX67 | |
| 01257 | 0020 | 00 | 0 | 01264 | C14A | TRA TX68 | |
| 01260 | 0074 | 00 | 4 | 06503 | C14B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY ACC SHOULD NOT BE HIGH |
| 01261 | 0020 | 00 | 0 | 01252 | | TRA C14 | |
| 01262 | 0020 | 00 | 0 | 01267 | | TRA C15 | |
| 01263 | 0074 | 00 | 4 | 06504 | TX67 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01264 | 0074 | 00 | 4 | 06511 | TX68 | TSX OK,4 | |

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|-------|------------------|------|---------------|--|
| 01265 | 0020 00 0 01252 | | TRA C14 | |
| 01266 | 432162606060 | | BCD 1LAS | TEST INSTRUCTION WITH ACC HIGH |
| 01267 | 0500 00 0 04272 | C15 | CLA K0 | L NOP K20 |
| 01270 | 0560 00 0 01272 | | LDQ C15A | L TRA TX69 IN MQ |
| 01271 | -0340 60 0 04272 | | LAS* K0 | |
| 01272 | 0020 00 0 01300 | C15A | TRA TX69 | |
| 01273 | 0020 00 0 01277 | | TRA C15B | |
| 01274 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO IA CORRECTLY ACC SHOULD NOT BE LOW |
| 01275 | 0020 00 0 01267 | | TRA C15 | |
| 01276 | 0020 00 0 01303 | | TRA C16 | |
| 01277 | 0074 00 4 06504 | C15B | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01300 | 0074 00 4 06511 | TX69 | TSX OK,4 | |
| 01301 | 0020 00 0 01267 | | TRA C15 | |
| 01302 | 432162606060 | | BCD 1LAS | TEST INSTRUCTION WITH ACC LOW |
| 01303 | 0500 00 0 04311 | C16 | CLA K2+1 | L NOP K21+1 |
| 01304 | 0560 00 0 01310 | | LDQ C16A | L TRA TX71 IN MQ |
| 01305 | -0340 60 0 04311 | | LAS* K2+1 | |
| 01306 | 0020 00 0 01311 | | TRA C16B | |
| 01307 | 0020 00 0 01314 | | TRA TX70 | |
| 01310 | 0020 00 0 01315 | C16A | TRA TX71 | |
| 01311 | 0074 00 4 06503 | C16B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY ACC SHOULD NOT BE HIGH |
| 01312 | 0020 00 0 01303 | | TRA C16 | |
| 01313 | 0020 00 0 01320 | | TRA C17 | |
| 01314 | 0074 00 4 06504 | TX70 | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01315 | 0074 00 4 06511 | TX71 | TSX OK,4 | |
| 01316 | 0020 00 0 01303 | | TRA C16 | |
| 01317 | 634571606060 | | BCD 1TNZ | TEST INSTRUCTION |
| 01320 | 0500 00 0 04327 | C17 | CLA K20 | L +00444 |
| 01321 | 0560 00 0 04327 | | LDQ K20 | L +00444 IN MQ |
| 01322 | -0100 60 0 01326 | | TNZ* C17A | SHOULD XFER |
| 01323 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 01324 | 0020 00 0 01320 | | TRA C17 | |
| 01325 | 0020 00 0 01333 | | TRA C18 | |
| 01326 | 0761 00 0 01330 | C17A | NOP TX72 | |
| 01327 | 0074 00 4 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 01330 | 0074 00 4 06511 | TX72 | TSX OK,4 | |
| 01331 | 0020 00 0 01320 | | TRA C17 | |
| 01332 | 712563606060 | | BCD 1ZET | TEST INSTRUCTION |
| 01333 | 0560 00 0 04331 | C18 | LDQ K20+2 | L +0 IN MQ |
| 01334 | 0500 00 0 04312 | | CLA K2+2 | L NOP K20+2 |
| 01335 | 0520 00 0 04312 | | ZET K2+2 | SHOULD NOT SKIP |
| 01336 | 0020 00 0 01342 | | TRA C18A | |
| 01337 | 0074 00 4 06503 | | TSX ERROR-1,4 | FALSE XFER ON NON ZERO |
| 01340 | 0020 00 0 01333 | | TRA C18 | |

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|-------|--------------|----|---|-------|------|-------|-----------|----------------------------|--|
| 01341 | 0020 | 00 | 0 | 01350 | | TRA | C19 | | |
| 01342 | 0500 | 00 | 0 | 04331 | C18A | CLA | K20+2 | L +0 | |
| 01343 | 0520 | 60 | 0 | 04312 | | ZET* | K2+2 | SHOULD XFER | |
| 01344 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FAILED TO IA CORRECTLY | |
| 01345 | 0074 | 00 | 4 | 06511 | | TSX | OK,4 | | |
| 01346 | 0020 | 00 | 0 | 01333 | | TRA | C18 | | |
| | | | | | | | | | |
| 01347 | 457163606060 | | | | | BCD | 1NZT | TEST | |
| 01350 | 0560 | 00 | 0 | 04331 | C19 | LDQ | K20+2 | L +0 IN MQ | |
| 01351 | 0500 | 00 | 0 | 04312 | | CLA | K2+2 | L NOP K20+2 | |
| 01352 | -0520 | 00 | 0 | 04312 | | NZT | K2+2 | | |
| 01353 | 0020 | 00 | 0 | 01355 | | TRA | C19A | | |
| 01354 | 0020 | 00 | 0 | 01360 | | TRA | C19B | | |
| 01355 | 0074 | 00 | 4 | 06503 | C19A | TSX | ERROR-1,4 | FAILED TO XFER ON NON ZERO | |
| 01356 | 0020 | 00 | 0 | 01350 | | TRA | C19 | | |
| 01357 | 0020 | 00 | 0 | 01367 | | TRA | C20 | | |
| 01360 | 0500 | 00 | 0 | 04331 | C19B | CLA | K20+2 | L +0 | |
| 01361 | -0520 | 60 | 0 | 04312 | | NZT* | K2+2 | | |
| 01362 | 0020 | 00 | 0 | 01364 | | TRA | TX73 | | |
| 01363 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FAILED TO IA CORRECTLY | |
| 01364 | 0074 | 00 | 4 | 06511 | TX73 | TSX | OK,4 | | |
| 01365 | 0020 | 00 | 0 | 01350 | | TRA | C19 | | |
| | | | | | | | | | |
| 01366 | 632346216060 | | | | | BCD | 1TCOA | TEST INSTRUCTION | |
| 01367 | 0560 | 00 | 0 | 01372 | C20 | LDQ | C20+3 | L TRA TX74 IN MQ | |
| 01370 | 0760 | 00 | 0 | 00000 | | CLM | | | |
| 01371 | 0060 | 60 | 0 | 01373 | | TCOA* | C20A | SHOULD NOT TRANSFER | |
| 01372 | 0020 | 00 | 0 | 01400 | | TRA | TX74 | | |
| 01373 | 0761 | 00 | 0 | 01377 | C20A | NOP | C20B | | |
| 01374 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 01375 | 0020 | 00 | 0 | 01367 | | TRA | C20 | | |
| 01376 | 0020 | 00 | 0 | 01403 | | TRA | C21 | | |
| 01377 | 0074 | 00 | 4 | 06504 | C20B | TSX | ERROR,4 | FALSE XFER TO INDIRECT ADR | |
| 01400 | 0074 | 00 | 4 | 06511 | TX74 | TSX | OK,4 | | |
| 01401 | 0020 | 00 | 0 | 01367 | | TRA | C20 | | |
| | | | | | | | | | |
| 01402 | 632346226060 | | | | | BCD | 1TCOB | TEST INSTRUCTION | |
| 01403 | 0560 | 00 | 0 | 01406 | C21 | LDQ | C21+3 | L TRA TX75 IN MQ | |
| 01404 | 0760 | 00 | 0 | 00000 | | CLM | | | |
| 01405 | 0061 | 60 | 0 | 01407 | | TCOB* | C21A | SHOULD NOT TRANSFER | |
| 01406 | 0020 | 00 | 0 | 01414 | | TRA | TX75 | | |
| 01407 | 0761 | 00 | 0 | 01413 | C21A | NOP | C21B | | |
| 01410 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 01411 | 0020 | 00 | 0 | 01403 | | TRA | C21 | | |
| 01412 | 0020 | 00 | 0 | 01417 | | TRA | C22 | | |
| 01413 | 0074 | 00 | 4 | 06504 | C21B | TSX | ERROR,4 | FALSE XFER TO INDIRECT ADR | |
| 01414 | 0074 | 00 | 4 | 06511 | TX75 | TSX | OK,4 | | |
| 01415 | 0020 | 00 | 0 | 01403 | | TRA | C21 | | |
| | | | | | | | | | |
| 01416 | 632346236060 | | | | | BCD | 1TCOC | TEST INSTRUCTION | |
| 01417 | 0560 | 00 | 0 | 01422 | C22 | LDQ | C22+3 | L TRA TX76 IN MQ | |
| 01420 | 0760 | 00 | 0 | 00000 | | CLM | | | |

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|-------|------|----|---|-------|------|---------------|----------------------------|
| 01421 | 0062 | 60 | 0 | 01423 | | TCOC* C22A | SHOULD NOT TRANSFER |
| 01422 | 0020 | 00 | 0 | 01430 | | TRA TX76 | |
| 01423 | 0761 | 00 | 0 | 01427 | C22A | NOP C22B | |
| 01424 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01425 | 0020 | 00 | 0 | 01417 | | TRA C22 | |
| 01426 | 0020 | 00 | 0 | 01433 | | TRA C23 | |
| 01427 | 0074 | 00 | 4 | 06504 | C22B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01430 | 0074 | 00 | 4 | 06511 | TX76 | TSX OK,4 | |
| 01431 | 0020 | 00 | 0 | 01417 | | TRA C22 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01432 | 632346246060 | | | | | BCD 1TCOD | TEST INSTRUCTION |
| 01433 | 0560 | 00 | 0 | 01436 | C23 | LDQ C23+3 | L TRA TX77 IN MQ |
| 01434 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01435 | 0063 | 60 | 0 | 01437 | | TCOD* C23A | SHOULD NOT TRANSFER |
| 01436 | 0020 | 00 | 0 | 01444 | | TRA TX77 | |
| 01437 | 0761 | 00 | 0 | 01443 | C23A | NOP C23B | |
| 01440 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01441 | 0020 | 00 | 0 | 01433 | | TRA C23 | |
| 01442 | 0020 | 00 | 0 | 01447 | | TRA C24 | |
| 01443 | 0074 | 00 | 4 | 06504 | C23B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01444 | 0074 | 00 | 4 | 06511 | TX77 | TSX OK,4 | |
| 01445 | 0020 | 00 | 0 | 01433 | | TRA C23 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01446 | 632346256060 | | | | | BCD 1TCOE | TEST INSTRUCTION |
| 01447 | 0560 | 00 | 0 | 01452 | C24 | LDQ C24+3 | L TRA TX78 IN MQ |
| 01450 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01451 | 0064 | 60 | 0 | 01453 | | TCOE* C24A | SHOULD NOT TRANSFER |
| 01452 | 0020 | 00 | 0 | 01460 | | TRA TX78 | |
| 01453 | 0761 | 00 | 0 | 01457 | C24A | NOP C24B | |
| 01454 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01455 | 0020 | 00 | 0 | 01447 | | TRA C24 | |
| 01456 | 0020 | 00 | 0 | 01463 | | TRA C25 | |
| 01457 | 0074 | 00 | 4 | 06504 | C24B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01460 | 0074 | 00 | 4 | 06511 | TX78 | TSX OK,4 | |
| 01461 | 0020 | 00 | 0 | 01447 | | TRA C24 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01462 | 632346266060 | | | | | BCD 1TCOF | TEST INSTRUCTION |
| 01463 | 0560 | 00 | 0 | 01466 | C25 | LDQ C25+3 | L TRA TX79 IN MQ |
| 01464 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01465 | 0065 | 60 | 0 | 01467 | | TCOF* C25A | SHOULD NOT TRANSFER |
| 01466 | 0020 | 00 | 0 | 01474 | | TRA TX79 | |
| 01467 | 0761 | 00 | 0 | 01457 | C25A | NOP C24B | |
| 01470 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01471 | 0020 | 00 | 0 | 01463 | | TRA C25 | |
| 01472 | 0020 | 00 | 0 | 01477 | | TRA C26 | |
| 01473 | 0074 | 00 | 4 | 06504 | C25B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01474 | 0074 | 00 | 4 | 06511 | TX79 | TSX OK,4 | |
| 01475 | 0020 | 00 | 0 | 01463 | | TRA C25 | |

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|-------|--------------|----|---|-------|-----|-----------|-----------------------|
| 01476 | 632345216060 | | | | | BCD 1TCNA | TEST INSTRUCTION |
| 01477 | 0560 | 00 | 0 | 01501 | C26 | LDQ C26+2 | L TAN C26A,0,48 IN MQ |
| 01500 | 0760 | 00 | 0 | 00000 | | CLM | |

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|-------|-------|----|---|-------|------|---------------|----------------------------|
| 01501 | -0060 | 60 | 0 | 01505 | | TCNA* C26A | SHOULD NOT TRANSFER |
| 01502 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01503 | 0020 | 00 | 0 | 01477 | | TRA C26 | |
| 01504 | 0020 | 00 | 0 | 01512 | | TRA C27 | |
| 01505 | 0761 | 00 | 0 | 01507 | C26A | NOP TX80 | |
| 01506 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01507 | 0074 | 00 | 4 | 06511 | TX80 | TSX OK,4 | |
| 01510 | 0020 | 00 | 0 | 01477 | | TRA C26 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01511 | 632345226060 | | | | | BCD 1TCNB | TEST INSTRUCTION |
| 01512 | 0560 | 00 | 0 | 01514 | C27 | LDQ C27+2 | L TBN C27A,0,48 IN MQ |
| 01513 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01514 | -0061 | 60 | 0 | 01520 | | TCNB* C27A | SHOULD NOT TRANSFER |
| 01515 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01516 | 0020 | 00 | 0 | 01512 | | TRA C27 | |
| 01517 | 0020 | 00 | 0 | 01525 | | TRA C28 | |
| 01520 | 0761 | 00 | 0 | 01522 | C27A | NOP TX81 | |
| 01521 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01522 | 0074 | 00 | 4 | 06511 | TX81 | TSX OK,4 | |
| 01523 | 0020 | 00 | 0 | 01512 | | TRA C27 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01524 | 632345236060 | | | | | BCD 1TCNC | TEST INSTRUCTION |
| 01525 | 0560 | 00 | 0 | 01527 | C28 | LDQ C28+2 | L TCN C28A,0,48 IN MQ |
| 01526 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01527 | -0062 | 60 | 0 | 01533 | | TCNC* C28A | SHOULD NOT TRANSFER |
| 01530 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01531 | 0020 | 00 | 0 | 01525 | | TRA C28 | |
| 01532 | 0020 | 00 | 0 | 01540 | | TRA C29 | |
| 01533 | 0761 | 00 | 0 | 01535 | C28A | NOP TX82 | |
| 01534 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01535 | 0074 | 00 | 4 | 06511 | TX82 | TSX OK,4 | |
| 01536 | 0020 | 00 | 0 | 01525 | | TRA C28 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01537 | 632345246060 | | | | | BCD 1TCND | TEST INSTRUCTION |
| 01540 | 0560 | 00 | 0 | 01542 | C29 | LDQ C29+2 | L TDN C269,0,48 IN MQ |
| 01541 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01542 | -0063 | 60 | 0 | 01546 | | TCND* C29A | SHOULD NOT TRANSFER |
| 01543 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01544 | 0020 | 00 | 0 | 01540 | | TRA C29 | |
| 01545 | 0020 | 00 | 0 | 01553 | | TRA C30 | |
| 01546 | 0761 | 00 | 0 | 01550 | C29A | NOP TX83 | |
| 01547 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01550 | 0074 | 00 | 4 | 06511 | TX83 | TSX OK,4 | |
| 01551 | 0020 | 00 | 0 | 01540 | | TRA C29 | |

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|-------|--------------|----|---|-------|-----|---------------|--------------------------|
| 01552 | 632345256060 | | | | | BCD 1TCNE | TEST INSTRUCTION |
| 01553 | 0560 | 00 | 0 | 01555 | C30 | LDQ C30+2 | L TEN C30A,0,48 IN MQ |
| 01554 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01555 | -0064 | 60 | 0 | 01561 | | TCNE* C30A | SHOULD NOT TRANSFER |
| 01556 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01557 | 0020 | 00 | 0 | 01553 | | TRA C30 | |
| 01560 | 0020 | 00 | 0 | 01566 | | TRA C31 | |

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|-------|------|----|---|-------|------|-------------|----------------------------|--|
| 01561 | 0761 | 00 | 0 | 01563 | C30A | NOP TX84 | | |
| 01562 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR | |
| 01563 | 0074 | 00 | 4 | 06511 | TX84 | TSX OK,4 | | |
| 01564 | 0020 | 00 | 0 | 01553 | | TRA C30 | | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|--|
| 01565 | 632345266060 | | | | | BCD 1TCNF | TEST INSTRUCTION | |
| 01566 | 0560 | 00 | 0 | 01570 | C31 | LDQ C31+2 | L TFN C31A,0,48 IN MQ | |
| 01567 | 0760 | 00 | 0 | 00000 | | CLM | | |
| 01570 | -0065 | 60 | 0 | 01574 | | TCNF* C31A | SHOULD NOT TRANSFER | |
| 01571 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 01572 | 0020 | 00 | 0 | 01566 | | TRA C31 | | |
| 01573 | 0020 | 00 | 0 | 01601 | | TRA C32 | | |
| 01574 | 0761 | 00 | 0 | 01576 | C31A | NOP TX85 | | |
| 01575 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR | |
| 01576 | 0074 | 00 | 4 | 06511 | TX85 | TSX OK,4 | | |
| 01577 | 0020 | 00 | 0 | 01566 | | TRA C31 | | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|--|
| 01600 | 635123216060 | | | | | BCD 1TRCA | TEST INSTRUCTION | |
| 01601 | 0560 | 00 | 0 | 01604 | C32 | LDQ C32+3 | L TRA TX86 IN MQ | |
| 01602 | 0760 | 00 | 0 | 00000 | | CLM | | |
| 01603 | 0022 | 60 | 0 | 01605 | | TRCA* C32A | SHOULD NOT TRANSFER | |
| 01604 | 0020 | 00 | 0 | 01612 | | TRA TX86 | | |
| 01605 | 0761 | 00 | 0 | 01611 | C32A | NOP C32B | | |
| 01606 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 01607 | 0020 | 00 | 0 | 01601 | | TRA C32 | | |
| 01610 | 0020 | 00 | 0 | 01615 | | TRA C33 | | |
| 01611 | 0074 | 00 | 4 | 06504 | C32B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR | |
| 01612 | 0074 | 00 | 4 | 06511 | TX86 | TSX OK,4 | | |
| 01613 | 0020 | 00 | 0 | 01601 | | TRA C32 | | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|--|
| 01614 | 635123226060 | | | | | BCD 1TRCB | TEST INSTRUCTION | |
| 01615 | 0560 | 00 | 0 | 01620 | C33 | LDQ C33+3 | L TRA TX87 IN MQ | |
| 01616 | 0760 | 00 | 0 | 00000 | | CLM | | |
| 01617 | -0022 | 60 | 0 | 01621 | | TRCB* C33A | SHOULD NOT TRANSFER | |
| 01620 | 0020 | 00 | 0 | 01626 | | TRA TX87 | | |
| 01621 | 0761 | 00 | 0 | 01625 | C33A | NOP C33B | | |
| 01622 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 01623 | 0020 | 00 | 0 | 01615 | | TRA C33 | | |
| 01624 | 0020 | 00 | 0 | 01631 | | TRA C34 | | |
| 01625 | 0074 | 00 | 4 | 06504 | C33B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR | |
| 01626 | 0074 | 00 | 4 | 06511 | TX87 | TSX OK,4 | | |
| 01627 | 0020 | 00 | 0 | 01615 | | TRA C33 | | |

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|-------|--------------|----|---|-------|------|---------------|--------------------------|--|
| 01630 | 635123236060 | | | | | BCD 1TRCC | TEST INSTRUCTION | |
| 01631 | 0560 | 00 | 0 | 01634 | C34 | LDQ C34+3 | L TRA TX88 IN MQ | |
| 01632 | 0760 | 00 | 0 | 00000 | | CLM | | |
| 01633 | 0024 | 60 | 0 | 01635 | | TRCC* C34A | SHOULD NOT TRANSFER | |
| 01634 | 0020 | 00 | 0 | 01642 | | TRA TX88 | | |
| 01635 | 0761 | 00 | 0 | 01641 | C34A | NOP C34B | | |
| 01636 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 01637 | 0020 | 00 | 0 | 01631 | | TRA C34 | | |
| 01640 | 0020 | 00 | 0 | 01645 | | TRA C35 | | |

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|-------|------|----|---|-------|------|-------------|----------------------------|
| 01641 | 0074 | 00 | 4 | 06504 | C34B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01642 | 0074 | 00 | 4 | 06511 | TX88 | TSX OK,4 | |
| 01643 | 0020 | 00 | 0 | 01631 | | TRA C34 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01644 | 635123246060 | | | | | BCD 1TRCD | TEST INSTRUCTION |
| 01645 | 0560 | 00 | 0 | 01650 | C35 | LDQ C35+3 | L TRA TX89 IN MQ |
| 01646 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01647 | -0024 | 60 | 0 | 01651 | | TRCD* C35A | SHOULD NOT TRANSFER |
| 01650 | 0020 | 00 | 0 | 01656 | | TRA TX89 | |
| 01651 | 0761 | 00 | 0 | 01655 | C35A | NOP C35B | |
| 01652 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01653 | 0020 | 00 | 0 | 01645 | | TRA C35 | |
| 01654 | 0020 | 00 | 0 | 01661 | | TRA C36 | |
| 01655 | 0074 | 00 | 4 | 06504 | C35B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01656 | 0074 | 00 | 4 | 06511 | TX89 | TSX OK,4 | |
| 01657 | 0020 | 00 | 0 | 01645 | | TRA C35 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01660 | 635123256060 | | | | | BCD 1TRCE | TEST INSTRUCTION |
| 01661 | 0560 | 00 | 0 | 01664 | C36 | LDQ C36+3 | L TRA TX90 IN MQ |
| 01662 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01663 | 0026 | 60 | 0 | 01665 | | TRCE* C36A | SHOULD NOT TRANSFER |
| 01664 | 0020 | 00 | 0 | 01672 | | TRA TX90 | |
| 01665 | 0761 | 00 | 0 | 01671 | C36A | NOP C36B | |
| 01666 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01667 | 0020 | 00 | 0 | 01661 | | TRA C36 | |
| 01670 | 0020 | 00 | 0 | 01675 | | TRA C37 | |
| 01671 | 0074 | 00 | 4 | 06504 | C36B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01672 | 0074 | 00 | 4 | 06511 | TX90 | TSX OK,4 | |
| 01673 | 0020 | 00 | 0 | 01661 | | TRA C36 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01674 | 635123266060 | | | | | BCD 1TRCF | TEST INSTRUCTION |
| 01675 | 0560 | 00 | 0 | 01700 | C37 | LDQ C37+3 | L TRA TX91 IN MQ |
| 01676 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01677 | -0026 | 60 | 0 | 01701 | | TRCF* C37A | SHOULD NOT TRANSFER |
| 01700 | 0020 | 00 | 0 | 01706 | | TRA TX91 | |
| 01701 | 0761 | 00 | 0 | 01705 | C37A | NOP C37B | |
| 01702 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01703 | 0020 | 00 | 0 | 01675 | | TRA C37 | |
| 01704 | 0020 | 00 | 0 | 01711 | | TRA C38 | |
| 01705 | 0074 | 00 | 4 | 06504 | C37B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01706 | 0074 | 00 | 4 | 06511 | TX91 | TSX OK,4 | |
| 01707 | 0020 | 00 | 0 | 01675 | | TRA C37 | |

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|-------|--------------|----|---|-------|------|---------------|--------------------------|
| 01710 | 632526216060 | | | | | BCD 1TEFA | TEST INSTRUCTION |
| 01711 | 0560 | 00 | 0 | 01714 | C38 | LDQ C38+3 | L TRA TX92 IN MQ |
| 01712 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01713 | 0030 | 60 | 0 | 01715 | | TEFA* C38A | SHOULD NOT TRANSFER |
| 01714 | 0020 | 00 | 0 | 01722 | | TRA TX92 | |
| 01715 | 0761 | 00 | 0 | 01721 | C38A | NOP C38B | |
| 01716 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01717 | 0020 | 00 | 0 | 01711 | | TRA C38 | |
| 01720 | 0020 | 00 | 0 | 01725 | | TRA C39 | |

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|-------|------|----|---|-------|------|-------------|----------------------------|
| 01721 | 0074 | 00 | 4 | 06504 | C38B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01722 | 0074 | 00 | 4 | 06511 | TX92 | TSX OK,4 | |
| 01723 | 0020 | 00 | 0 | 01711 | | TRA C38 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01724 | 632526226060 | | | | | BCD 1TEFB | TEST INSTRUCTION |
| 01725 | 0560 | 00 | 0 | 01730 | C39 | LDQ C39+3 | L TRA TX93 IN MQ |
| 01726 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01727 | -0030 | 60 | 0 | 01731 | | TEFB* C39A | SHOULD NOT TRANSFER |
| 01730 | 0020 | 00 | 0 | 01736 | | TRA TX93 | |
| 01731 | 0761 | 00 | 0 | 01735 | C39A | NOP C39B | |
| 01732 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01733 | 0020 | 00 | 0 | 01725 | | TRA C39 | |
| 01734 | 0020 | 00 | 0 | 01741 | | TRA C40 | |
| 01735 | 0074 | 00 | 4 | 06504 | C39B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01736 | 0074 | 00 | 4 | 06511 | TX93 | TSX OK,4 | |
| 01737 | 0020 | 00 | 0 | 01725 | | TRA C39 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01740 | 632526236060 | | | | | BCD 1TEFC | TEST INSTRUCTION |
| 01741 | 0560 | 00 | 0 | 01744 | C40 | LDQ C40+3 | L TRA TX94 IN MQ |
| 01742 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01743 | 0031 | 60 | 0 | 01745 | | TEFC* C40A | SHOULD NOT TRANSFER |
| 01744 | 0020 | 00 | 0 | 01752 | | TRA TX94 | |
| 01745 | 0761 | 00 | 0 | 01751 | C40A | NOP C40B | |
| 01746 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01747 | 0020 | 00 | 0 | 01741 | | TRA C40 | |
| 01750 | 0020 | 00 | 0 | 01755 | | TRA C41 | |
| 01751 | 0074 | 00 | 4 | 06504 | C40B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01752 | 0074 | 00 | 4 | 06511 | TX94 | TSX OK,4 | |
| 01753 | 0020 | 00 | 0 | 01741 | | TRA C40 | |

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|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 01754 | 632526246060 | | | | | BCD 1TEFD | TEST INSTRUCTION |
| 01755 | 0560 | 00 | 0 | 01760 | C41 | LDQ C41+3 | L TRA TX95 IN MQ |
| 01756 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01757 | -0031 | 60 | 0 | 01761 | | TEFD* C41A | SHOULD NOT TRANSFER |
| 01760 | 0020 | 00 | 0 | 01766 | | TRA TX95 | |
| 01761 | 0761 | 00 | 0 | 01765 | C41A | NOP C41B | |
| 01762 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01763 | 0020 | 00 | 0 | 01755 | | TRA C41 | |
| 01764 | 0020 | 00 | 0 | 01771 | | TRA C42 | |
| 01765 | 0074 | 00 | 4 | 06504 | C41B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 01766 | 0074 | 00 | 4 | 06511 | TX95 | TSX OK,4 | |
| 01767 | 0020 | 00 | 0 | 01755 | | TRA C41 | |

| | | | | | | | |
|-------|--------------|----|---|-------|------|---------------|--------------------------|
| 01770 | 632526256060 | | | | | BCD 1TEFE | TEST INSTRUCTION |
| 01771 | 0560 | 00 | 0 | 01774 | C42 | LDQ C42+3 | L TRA TX96 IN MQ |
| 01772 | 0760 | 00 | 0 | 00000 | | CLM | |
| 01773 | 0032 | 60 | 0 | 01775 | | TEFE* C42A | SHOULD NOT TRANSFER |
| 01774 | 0020 | 00 | 0 | 02002 | | TRA TX96 | |
| 01775 | 0761 | 00 | 0 | 02001 | C42A | NOP C42B | |
| 01776 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 01777 | 0020 | 00 | 0 | 01771 | | TRA C42 | |
| 02000 | 0020 | 00 | 0 | 02005 | | TRA C43 | |

| | | | | | | | |
|-------|------|----|---|-------|------|-------------|----------------------------|
| 02001 | 0074 | 00 | 4 | 06504 | C42B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 02002 | 0074 | 00 | 4 | 06511 | TX96 | TSX OK,4 | |
| 02003 | 0020 | 00 | 0 | 01771 | | TRA C42 | |

| | | | | | | | |
|-------|--------------|----|---|-------|------|---------------|----------------------------|
| 02004 | 632526266060 | | | | | BCD 1TEFF | TEST INSTRUCTION |
| 02005 | 0560 | 00 | 0 | 02010 | C43 | LDQ C43+3 | L TRA TX97 IN MQ |
| 02006 | 0760 | 00 | 0 | 00000 | | CLM | |
| 02007 | -0032 | 60 | 0 | 02011 | | TEFF* C43A | SHOULD NOT TRANSFER |
| 02010 | 0020 | 00 | 0 | 02016 | | TRA TX97 | |
| 02011 | 0761 | 00 | 0 | 02015 | C43A | NOP C43B | |
| 02012 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 02013 | 0020 | 00 | 0 | 02005 | | TRA C43 | |
| 02014 | 0020 | 00 | 0 | 02021 | | TRA CT | |
| 02015 | 0074 | 00 | 4 | 06504 | C43B | TSX ERROR,4 | FALSE XFER TO INDIRECT ADR |
| 02016 | 0074 | 00 | 4 | 06511 | TX97 | TSX OK,4 | |
| 02017 | 0020 | 00 | 0 | 02005 | | TRA C43 | |

TEST - INDEXABLE TRANSFERS
IN TRAPPING MODE

SET TRAP RETURN

| | | | | | | | |
|-------|------|----|---|-------|----|-----------|--------------|
| 02020 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02021 | 0500 | 00 | 0 | 04433 | CT | CLA K28+4 | L TRA 0 |
| 02022 | 0601 | 00 | 0 | 00000 | | STO 0 | |
| 02023 | 0601 | 00 | 0 | 00005 | | STO 5 | |
| 02024 | 0500 | 00 | 0 | 04427 | | CLA K28 | L CLA 0 |
| 02025 | 0601 | 00 | 0 | 00001 | | STO 1 | |
| 02026 | 0500 | 00 | 0 | 04430 | | CLA K28+1 | L ADD 10 DEC |
| 02027 | 0601 | 00 | 0 | 00002 | | STO 2 | |
| 02030 | 0500 | 00 | 0 | 04431 | | CLA K28+2 | L STO 5 |
| 02031 | 0601 | 00 | 0 | 00003 | | STO 3 | |
| 02032 | 0500 | 00 | 0 | 04432 | | CLA K28+3 | L LTM |
| 02033 | 0601 | 00 | 0 | 00004 | | STO 4 | |
| 02034 | 0020 | 00 | 0 | 02036 | | TRA CT1 | |

| | | | | | | | |
|-------|--------------|----|---|-------|-------|---------------|---|
| 02035 | 635121406060 | | | | | BCD 1TRA- | TEST INSTRUCTION |
| 02036 | 0760 | 00 | 0 | 00007 | CT1 | ETM | ENTER TRAPPING MODE |
| 02037 | 0020 | 60 | 0 | 02040 | | TRA* CT1A | SHOULD TRAP |
| 02040 | 0761 | 00 | 0 | 02047 | CT1A | NOP CT1B | |
| 02041 | -0760 | 00 | 0 | 00007 | | LTM | LEAVING TRAPPING MODE |
| 02042 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02043 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02044 | 0020 | 00 | 0 | 02036 | | TRA CT1 | |
| 02045 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02046 | 0020 | 00 | 0 | 02054 | | TRA CT3 | |
| 02047 | -0760 | 00 | 0 | 00007 | CT1B | LTM | LEAVING TRAPPING MODE |
| 02050 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |
| 02051 | 0074 | 00 | 4 | 06511 | TX130 | TSX OK,4 | |
| 02052 | 0020 | 00 | 0 | 02036 | | TRA CT1 | |

| | | | | |
|-------|------------------|-------|---------------|---|
| 02053 | 637125406060 | | BCD 1TZE- | TEST INSTRUCTION |
| 02054 | 0760 00 0 00007 | CT3 | ETM | ENTER TRAPPING MODE |
| 02055 | 0500 00 0 04331 | | CLA K20+2 | L +0 |
| 02056 | 0100 60 0 02057 | | TZE* CT3A | SHOULD TRAP |
| 02057 | 0761 00 0 02065 | CT3A | NOP CT3B | |
| 02060 | -0760 00 0 00007 | | LTM | LEAVING TRAPPNG MODE |
| 02061 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02062 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02063 | 0020 00 0 02054 | | TRA CT3 | |
| 02064 | 0020 00 0 02073 | | TRA CT4 | |
| 02065 | -0760 00 0 00007 | CT3B | LTM | LEAVING TRAPPING MODE |
| 02066 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02067 | 0074 00 4 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |
| 02070 | 0074 00 4 06511 | TX131 | TSX OK,4 | |
| 02071 | 0020 00 0 02054 | | TRA CT3 | |
| 02072 | 634743406060 | | BCD 1TPL- | TEST INSTRUCTION |
| 02073 | 0760 00 0 00007 | CT4 | ETM | ENTER TRAPPING MODE |
| 02074 | 0500 00 0 04327 | | CLA K20 | L +00444 |
| 02075 | 0120 60 0 02076 | | TPL* CT4A | SHOULD TRAP |
| 02076 | 0761 00 0 02104 | CT4A | NOP CT4B | |
| 02077 | -0760 00 0 00007 | | LTM | LEAVING TRAPPNG MODE |
| 02100 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02101 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02102 | 0020 00 0 02073 | | TRA CT4 | |
| 02103 | 0020 00 0 02112 | | TRA CT5 | |
| 02104 | -0760 00 0 00007 | CT4B | LTM | LEAVING TRAPPING MODE |
| 02105 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02106 | 0074 00 4 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |
| 02107 | 0074 00 4 06511 | TX132 | TSX OK,4 | |
| 02110 | 0020 00 0 02073 | | TRA CT4 | |
| 02111 | 634431406060 | | BCD 1TMI- | TEST INSTRUCTION |
| 02112 | 0760 00 0 00007 | CT5 | ETM | ENTER TRAPPING MODE |
| 02113 | 0500 00 0 04347 | | CLA K21+6 | L -377777777777 |
| 02114 | -0120 60 0 02115 | | TMI* CT5A | SHOULD TRAP |
| 02115 | 0761 00 0 02123 | CT5A | NOP CT5B | |
| 02116 | -0760 00 0 00007 | | LTM | LEAVING TRAPPNG MODE |
| 02117 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02120 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02121 | 0020 00 0 02112 | | TRA CT5 | |
| 02122 | 0020 00 0 02131 | | TRA CT6 | |
| 02123 | -0760 00 0 00007 | CT5B | LTM | LEAVING TRAPPING MODE |
| 02124 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02125 | 0074 00 4 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |
| 02126 | 0074 00 4 06511 | TX133 | TSX OK,4 | |
| 02127 | 0020 00 0 02112 | | TRA CT5 | |

| | | | | |
|-------|------------------|-------|---------------|---|
| 02130 | 634665406060 | | BCD 1TOV- | TEST INSTRUCTION |
| 02131 | 0140 00 0 02132 | CT6 | TOV CT6+1 | TURN OFF OVERFLOW IND |
| 02132 | 0760 00 0 00007 | | ETM | ENTER TRAPPING MODE |
| 02133 | 0500 00 0 04344 | | CLA K21+3 | L +300000000000 |
| 02134 | 0767 00 0 00002 | | ALS 2 | ACC LEFT SHIFT |
| 02135 | 0140 60 0 02136 | | TOV* CT6A | SHOULD TRAP |
| 02136 | 0761 00 0 02144 | CT6A | NOP CT6B | |
| 02137 | -0760 00 0 00007 | | LTM | LEAVING TRAPPNG MODE |
| 02140 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02141 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02142 | 0020 00 0 02131 | | TRA CT6 | |
| 02143 | 0020 00 0 02152 | | TRA CT7 | |
| 02144 | -0760 00 0 00007 | CT6B | LTM | LEAVING TRAPPING MODE |
| 02145 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02146 | 0074 00 4 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |
| 02147 | 0074 00 4 06511 | TX134 | TSX OK,4 | |
| 02150 | 0020 00 0 02131 | | TRA CT6 | |
| 02151 | 634546406060 | | BCD 1TNO- | TEST INSTRUCTION |
| 02152 | 0140 00 0 02153 | CT7 | TOV CT7+1 | TURN OFF OVERFLOW IND |
| 02153 | 0760 00 0 00007 | | ETM | ENTER TRAPPING MODE |
| 02154 | -0140 60 0 02155 | | TNO* CT7A | SHOULD TRAP |
| 02155 | 0761 00 0 02163 | CT7A | NOP CT7B | |
| 02156 | -0760 00 0 00007 | | LTM | LEAVING TRAPPNG MODE |
| 02157 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02160 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02161 | 0020 00 0 02152 | | TRA CT7 | |
| 02162 | 0020 00 0 02171 | | TRA CT8 | |
| 02163 | -0760 00 0 00007 | CT7B | LTM | LEAVING TRAPPING MODE |
| 02164 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02165 | 0074 00 4 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |
| 02166 | 0074 00 4 06511 | TX135 | TSX OK,4 | |
| 02167 | 0020 00 0 02152 | | TRA CT7 | |
| 02170 | 635047406060 | | BCD 1TQP- | TEST INSTRUCTION |
| 02171 | 0560 00 0 04330 | CT8 | LDQ K20+1 | L +00555 IN MQ |
| 02172 | 0760 00 0 00007 | | ETM | ENTER TRAPPING MODE |
| 02173 | 0162 60 0 02174 | | TQP* CT8A | SHOULD TRAP |
| 02174 | 0761 00 0 02202 | CT8A | NOP CT8B | |
| 02175 | -0760 00 0 00007 | | LTM | LEAVING TRAPPNG MODE |
| 02176 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02177 | 0074 00 4 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02200 | 0020 00 0 02171 | | TRA CT8 | |
| 02201 | 0020 00 0 02210 | | TRA CTA | |
| 02202 | -0760 00 0 00007 | CT8B | LTM | LEAVING TRAPPING MODE |
| 02203 | 0560 00 0 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02204 | 0074 00 4 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |

02205 0074 00 4 06511 TX136 TSX OK,4
02206 0020 00 0 02171 TRA CT8

SET TRAP RETURN

02207 0761 00 0 00000 NOP
02210 0500 00 0 04436 CTA CLA K28+7 L ADD 15 DECIMAL
02211 0601 00 0 00002 STO 2
02212 0020 00 0 02214 TRA CT9

02213 635047606060 BCD 1TQP TEST INSTRUCTION
WITH MQ NOT PLUS
02214 0560 00 0 04347 CT9 LDQ K21+6 L -377777777777 IN MQ
02215 0760 00 0 00007 ETM ENTER TRAPPING MODE
02216 0162 60 0 02221 TQP* CT9A SHOULD NOT TRAP OR XFER
02217 -0760 00 0 00007 LTM LEAVE TRAPPING MODE
02220 0020 00 0 02237 TRA TX137
02221 0761 00 0 02227 CT9A NOP CT9B
02222 -0760 00 0 00007 LTM LEAVE TRAPPING MODE
02223 0560 00 0 04435 LDQ K28+6 L TRA 1 IN MQ
02224 0074 00 4 06503 TSX ERROR-1,4 FALSE XFER TO IND ADR
02225 0020 00 0 02214 TRA CT9
02226 0020 00 0 02242 TRA CT10
02227 -0760 00 0 00007 CT9B LTM LEAVE TRAPPING MODE
02230 0560 00 0 04435 LDQ K28+6 L TRA 1 IN MQ
02231 0074 00 4 06503 TSX ERROR-1,4 FALSE XFER TO IND ADR
02232 0020 00 0 02214 TRA CT9
02233 0020 00 0 02242 TRA CT10
02234 0761 00 0 00000 NOP
02235 0560 00 0 04435 LDQ K28+6 L TRA 1 IN MQ
02236 0074 00 4 06504 TSX ERROR,4 FALSE TRAP
02237 0074 00 4 06511 TX137 TSX OK,4
02240 0020 00 0 02214 TRA CT9

02241 634350406060 BCD 1TLQ- TEST INSTRUCTION
02242 0500 00 0 04345 CT10 CLA K21+4 L +077777000000
02243 0560 00 0 04346 LDQ K21+5 L +000000077777 IN MQ
02244 0760 00 0 00007 ETM ENTER TRAPPING MODE
02245 0040 60 0 02253 TLQ* CT10A SHOULD TRAP
02246 -0760 00 0 00007 LTM LEAVE TRAPPING MODE
02247 0560 00 0 04435 LDQ K28+6 L TRA 1 IN MQ
02250 0074 00 4 06503 TSX ERROR-1,4 FAILED TO TRAP OR XFER
02251 0020 00 0 02242 TRA CT10
02252 0020 00 0 02267 TRA CT11
02253 0761 00 0 02261 CT10A NOP CT10B
02254 -0760 00 0 00007 LTM LEAVE TRAPPING MODE
02255 0560 00 0 04435 LDQ K28+6 L TRA 1 IN MQ
02256 0074 00 4 06503 TSX ERROR-1,4 FAILED TO TRAP
FALSE DIRECT ADDRESSING
02257 0020 00 0 02242 TRA CT10
02260 0020 00 0 02267 TRA CT11
02261 -0760 00 0 00007 CT10B LTM LEAVE TRAPPING MODE
02262 0560 00 0 04435 LDQ K28+6 L TRA 1 IN MQ

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|-------|--------------|----|---|-------|-------|----------------|--------------------------------------|
| 02263 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE TRAP |
| 02264 | 0074 | 00 | 4 | 06511 | TX138 | TSX OK,4 | |
| 02265 | 0020 | 00 | 0 | 02242 | | TRA CT10 | |
| | | | | | | | |
| 02266 | 634350606060 | | | | | BCD 1TLQ | TEST INSTRUCTION WITH MQ NOT LOW |
| | | | | | | | |
| 02267 | 0500 | 00 | 0 | 04351 | CT11 | CLA K21+8 | L -200000000000 |
| 02270 | 0560 | 00 | 0 | 04337 | | LDQ K20+8 | L +200000000000 IN MQ |
| 02271 | 0760 | 00 | 0 | 00007 | | ETM | ENTER TRAPPING MODE |
| 02272 | 0040 | 60 | 0 | 02275 | | TLQ* CT11A | SHOULD NOT TRAP OR XFER |
| 02273 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02274 | 0020 | 00 | 0 | 02313 | CT11C | TRA TX139 | |
| 02275 | 0761 | 00 | 0 | 02303 | CT11A | NOP CT11B | |
| 02276 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02277 | 0560 | 00 | 0 | 02274 | | LDQ CT11C | L TRA TX19 IN MQ |
| 02300 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 02301 | 0020 | 00 | 0 | 02267 | | TRA CT11 | |
| 02302 | 0020 | 00 | 0 | 02316 | | TRA CT12 | |
| 02303 | -0760 | 00 | 0 | 00007 | CT11B | LTM | LEAVE TRAPPING MODE |
| 02304 | 0560 | 00 | 0 | 02274 | | LDQ CT11C | L TRA TX139 IN MQ |
| 02305 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO IND ADR |
| 02306 | 0020 | 00 | 0 | 02267 | | TRA CT11 | |
| 02307 | 0020 | 00 | 0 | 02316 | | TRA CT12 | |
| 02310 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02311 | 0560 | 00 | 0 | 02274 | | LDQ CT11C | L TRA TX139 IN MQ |
| 02312 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE TRAP |
| 02313 | 0074 | 00 | 4 | 06511 | TX139 | TSX OK,4 | |
| 02314 | 0020 | 00 | 0 | 02267 | | TRA CT11 | |
| | | | | | | | |
| 02315 | 636351606060 | | | | | BCD 1TTR | TEST INSTRUCTION IN TRAPPING MODE |
| | | | | | | | |
| 02316 | 0760 | 00 | 0 | 00007 | CT12 | ETM | ENTER TRAPPING MODE |
| 02317 | 0021 | 60 | 0 | 02325 | | TTR* CT12A | SHOULD XFER IN NORMAL MODE |
| 02320 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02321 | 0560 | 60 | 0 | 02325 | | LDQ CT12A,0,48 | L TTR CT12A,0,48 IN MQ |
| 02322 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 02323 | 0020 | 00 | 0 | 02316 | | TRA CT12 | |
| 02324 | 0020 | 00 | 0 | 02343 | | TRA CT17 | |
| 02325 | 0761 | 00 | 0 | 02333 | CT12A | NOP CT12B | |
| 02326 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02327 | 0560 | 00 | 0 | 02317 | | LDQ CT12+1 | L TTR CT12A* IN MQ |
| 02330 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE DIRECT ADDRESSING |
| 02331 | 0020 | 00 | 0 | 02316 | | TRA CT12 | |
| 02332 | 0020 | 00 | 0 | 02343 | | TRA CT17 | |
| 02333 | -0760 | 00 | 0 | 00007 | CT12B | LTM | LEAVE TRAPPING MODE |
| 02334 | 0020 | 00 | 0 | 02340 | | TRA TX140 | |
| 02335 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02336 | 0560 | 00 | 0 | 02317 | | LDQ CT12+1 | L TTR CT12A* IN MQ |
| 02337 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE TRAP |
| 02340 | 0074 | 00 | 4 | 06511 | TX140 | TSX OK,4 | |
| 02341 | 0020 | 00 | 0 | 02316 | | TRA CT12 | |
| | | | | | | | |
| 02342 | 634571406060 | | | | | BCD 1TNZ- | TEST INSTRUCTION |

| | | | | | | | |
|-------|--------------|----|---|-------|-------|---------------|---|
| 02343 | 0500 | 00 | 0 | 04327 | CT17 | CLA K20 | L +00444 |
| 02344 | 0760 | 00 | 0 | 00007 | | ETM | ENTER TRAPPING MODE |
| 02345 | -0100 | 60 | 0 | 02353 | | TNZ* CT17A | SHOULD TRAP |
| 02346 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02347 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO TRAP OR XFER |
| 02350 | 0020 | 00 | 0 | 02343 | | TRA CT17 | |
| 02351 | 0020 | 00 | 0 | 02367 | | TRA CT20 | |
| 02352 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02353 | 0761 | 00 | 0 | 02362 | CT17A | NOP CT17B | |
| 02354 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02355 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE DIRECT ADDRESSING |
| 02356 | 0020 | 00 | 0 | 02343 | | TRA CT17 | |
| 02357 | 0020 | 00 | 0 | 02367 | | TRA CT20 | |
| 02360 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02361 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02362 | -0760 | 00 | 0 | 00007 | CT17B | LTM | LEAVE TRAPPING MODE |
| 02363 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE IA IN TRAPPING MODE |
| 02364 | 0074 | 00 | 4 | 06511 | TX145 | TSX OK,4 | |
| 02365 | 0020 | 00 | 0 | 02343 | | TRA CT17 | |
| 02366 | 632346216060 | | | | | BCD 1TCOA | TEST INSTRUCTION |
| 02367 | 0760 | 00 | 0 | 00007 | CT20 | ETM | ENTER TRAPPING MODE |
| 02370 | 0760 | 00 | 0 | 00000 | | CLM | |
| 02371 | 0060 | 60 | 0 | 02374 | | TCOA* CT20A | SHOULD NOT TRAP OR TRANSFER |
| 02372 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02373 | 0020 | 00 | 0 | 02412 | CT20C | TRA TX148 | |
| 02374 | 0761 | 00 | 0 | 02403 | CT20A | NOP CT20B | |
| 02375 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02376 | 0560 | 00 | 0 | 02373 | | LDQ CT20C | L TRA TX148 |
| 02377 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 02400 | 0020 | 00 | 0 | 02367 | | TRA CT20 | |
| 02401 | 0020 | 00 | 0 | 02415 | | TRA CT21 | |
| 02402 | 0761 | 00 | 0 | 00000 | | NOP | |
| 02403 | -0760 | 00 | 0 | 00007 | CT20B | LTM | LEAVE TRAPPING MODE |
| 02404 | 0560 | 00 | 0 | 02373 | | LDQ CT20C | L TRA TX148 |
| 02405 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 02406 | 0020 | 00 | 0 | 02367 | | TRA CT20 | |
| 02407 | 0020 | 00 | 0 | 02415 | | TRA CT21 | |
| 02410 | 0560 | 00 | 0 | 02373 | | LDQ CT20C | L TRA TX148 |
| 02411 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE TRAP |
| 02412 | 0074 | 00 | 4 | 06511 | TX148 | TSX OK,4 | |
| 02413 | 0020 | 00 | 0 | 02367 | | TRA CT20 | |
| 02414 | 632346226060 | | | | | BCD 1TCOB | TEST INSTRUCTION |
| 02415 | 0760 | 00 | 0 | 00007 | CT21 | ETM | ENTER TRAPPING MODE |
| 02416 | 0061 | 60 | 0 | 02421 | | TCOB* CT21A | SHOULD NOT TRAP OR TRANSFER |
| 02417 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02420 | 0020 | 00 | 0 | 02437 | CT21C | TRA TX149 | |
| 02421 | 0761 | 00 | 0 | 02430 | CT21A | NOP CT21B | |
| 02422 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02423 | 0560 | 00 | 0 | 02420 | | LDQ CT21C | L TRA TX149 |
| 02424 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |

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|-------|--------------|----|---|-------|-------|-------------|-----------------------------|--|
| 02425 | 0020 | 00 | 0 | 02415 | TRA | CT21 | | |
| 02426 | 0020 | 00 | 0 | 02442 | TRA | CT22 | | |
| 02427 | 0761 | 00 | 0 | 00000 | NOP | | | |
| 02430 | -0760 | 00 | 0 | 00007 | CT21B | LTM | LEAVE TRAPPING MODE | |
| 02431 | 0560 | 00 | 0 | 02420 | LDQ | CT21C | L TRA TX149 | |
| 02432 | 0074 | 00 | 4 | 06503 | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 02433 | 0020 | 00 | 0 | 02415 | TRA | CT21 | | |
| 02434 | 0020 | 00 | 0 | 02442 | TRA | CT22 | | |
| 02435 | 0560 | 00 | 0 | 02420 | LDQ | CT21C | L TRA TX149 | |
| 02436 | 0074 | 00 | 4 | 06504 | TSX | ERROR,4 | FALSE TRAP | |
| 02437 | 0074 | 00 | 4 | 06511 | TX149 | TSX | OK,4 | |
| 02440 | 0020 | 00 | 0 | 02415 | TRA | CT21 | | |
| | | | | | | | | |
| 02441 | 632346236060 | | | | BCD | 1TCOC | TEST INSTRUCTION | |
| 02442 | 0760 | 00 | 0 | 00007 | CT22 | ETM | ENTER TRAPPING MODE | |
| 02443 | 0062 | 60 | 0 | 02446 | | TCOC* CT22A | SHOULD NOT TRAP OR TRANSFER | |
| 02444 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE | |
| 02445 | 0020 | 00 | 0 | 02464 | CT22C | TRA | TX150 | |
| 02446 | 0761 | 00 | 0 | 02455 | CT22A | NOP | CT22B | |
| 02447 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE | |
| 02450 | 0560 | 00 | 0 | 02445 | LDQ | CT22C | L TRA TX150 | |
| 02451 | 0074 | 00 | 4 | 06503 | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 02452 | 0020 | 00 | 0 | 02442 | TRA | CT22 | | |
| 02453 | 0020 | 00 | 0 | 02467 | TRA | CT23 | | |
| 02454 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 02455 | -0760 | 00 | 0 | 00007 | CT22B | LTM | LEAVE TRAPPING MODE | |
| 02456 | 0560 | 00 | 0 | 02445 | LDQ | CT22C | L TRA TX150 | |
| 02457 | 0074 | 00 | 4 | 06503 | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 02460 | 0020 | 00 | 0 | 02442 | TRA | CT22 | | |
| 02461 | 0020 | 00 | 0 | 02467 | TRA | CT23 | | |
| 02462 | 0560 | 00 | 0 | 02445 | LDQ | CT22C | L TRA TX150 | |
| 02463 | 0074 | 00 | 4 | 06504 | TSX | ERROR,4 | FALSE TRAP | |
| 02464 | 0074 | 00 | 4 | 06511 | TX150 | TSX | OK,4 | |
| 02465 | 0020 | 00 | 0 | 02442 | TRA | CT22 | | |
| | | | | | | | | |
| 02466 | 632346246060 | | | | BCD | 1TCOD | TEST INSTRUCTION | |
| 02467 | 0760 | 00 | 0 | 00007 | CT23 | ETM | ENTER TRAPPING MODE | |
| 02470 | 0063 | 60 | 0 | 02473 | | TCOD* CT23A | SHOULD NOT TRAP OR TRANSFER | |
| 02471 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE | |
| 02472 | 0020 | 00 | 0 | 02511 | CT23C | TRA | TX151 | |
| 02473 | 0761 | 00 | 0 | 02502 | CT23A | NOP | CT23B | |
| 02474 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE | |
| 02475 | 0560 | 00 | 0 | 02472 | LDQ | CT23C | L TRA TX151 | |
| 02476 | 0074 | 00 | 4 | 06503 | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 02477 | 0020 | 00 | 0 | 02467 | TRA | CT23 | | |
| 02500 | 0020 | 00 | 0 | 02514 | TRA | CT24 | | |
| 02501 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 02502 | -0760 | 00 | 0 | 00007 | CT23B | LTM | LEAVE TRAPPING MODE | |
| 02503 | 0560 | 00 | 0 | 02472 | LDQ | CT23C | L TRA TX151 | |
| 02504 | 0074 | 00 | 4 | 06503 | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 02505 | 0020 | 00 | 0 | 02467 | TRA | CT23 | | |
| 02506 | 0020 | 00 | 0 | 02514 | TRA | CT24 | | |
| 02507 | 0560 | 00 | 0 | 02472 | LDQ | CT23C | L TRA TX151 | |
| 02510 | 0074 | 00 | 4 | 06504 | TSX | ERROR,4 | FALSE TRAP | |

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|-------|--------------|----|---|-------|-------|-------|------------|-----------------------------|
| 02511 | 0074 | 00 | 4 | 06511 | TX151 | TSX | OK, 4 | |
| 02512 | 0020 | 00 | 0 | 02467 | | TRA | CT23 | |
| | | | | | | | | |
| 02513 | 632346256060 | | | | | BCD | 1TCOE | TEST INSTRUCTION |
| 02514 | 0760 | 00 | 0 | 00007 | CT24 | ETM | | ENTER TRAPPING MODE |
| 02515 | 0064 | 60 | 0 | 02520 | | TCOE* | CT24A | SHOULD NOT TRAP OR TRANSFER |
| 02516 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02517 | 0020 | 00 | 0 | 02536 | CT24C | TRA | TX152 | |
| 02520 | 0761 | 00 | 0 | 02527 | CT24A | NOP | CT24B | |
| 02521 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02522 | 0560 | 00 | 0 | 02517 | | LDQ | CT24C | L TRA TX152 |
| 02523 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1, 4 | FALSE XFER TO DIRECT ADR |
| 02524 | 0020 | 00 | 0 | 02514 | | TRA | CT24 | |
| 02525 | 0020 | 00 | 0 | 02541 | | TRA | CT25 | |
| 02526 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 02527 | -0760 | 00 | 0 | 00007 | CT24B | LTM | | LEAVE TRAPPING MODE |
| 02530 | 0560 | 00 | 0 | 02517 | | LDQ | CT24C | L TRA TX152 |
| 02531 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1, 4 | FALSE XFER TO DIRECT ADR |
| 02532 | 0020 | 00 | 0 | 02514 | | TRA | CT24 | |
| 02533 | 0020 | 00 | 0 | 02541 | | TRA | CT25 | |
| 02534 | 0560 | 00 | 0 | 02517 | | LDQ | CT24C | L TRA TX152 |
| 02535 | 0074 | 00 | 4 | 06504 | | TSX | ERROR, 4 | FALSE TRAP |
| 02536 | 0074 | 00 | 4 | 06511 | TX152 | TSX | OK, 4 | |
| 02537 | 0020 | 00 | 0 | 02514 | | TRA | CT24 | |
| | | | | | | | | |
| 02540 | 632346266060 | | | | | BCD | 1TCOF | TEST INSTRUCTION |
| 02541 | 0760 | 00 | 0 | 00007 | CT25 | ETM | | ENTER TRAPPING MODE |
| 02542 | 0065 | 60 | 0 | 02545 | | TCOF* | CT25A | SHOULD NOT TRAP OR TRANSFER |
| 02543 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02544 | 0020 | 00 | 0 | 02563 | CT25C | TRA | TX153 | |
| 02545 | 0761 | 00 | 0 | 02554 | CT25A | NOP | CT25B | |
| 02546 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02547 | 0560 | 00 | 0 | 02544 | | LDQ | CT25C | L TRA TX153 |
| 02550 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1, 4 | FALSE XFER TO DIRECT ADR |
| 02551 | 0020 | 00 | 0 | 02541 | | TRA | CT25 | |
| 02552 | 0020 | 00 | 0 | 02566 | | TRA | CT26 | |
| 02553 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 02554 | -0760 | 00 | 0 | 00007 | CT25B | LTM | | LEAVE TRAPPING MODE |
| 02555 | 0560 | 00 | 0 | 02544 | | LDQ | CT25C | L TRA TX153 |
| 02556 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1, 4 | FALSE XFER TO DIRECT ADR |
| 02557 | 0020 | 00 | 0 | 02541 | | TRA | CT25 | |
| 02560 | 0020 | 00 | 0 | 02566 | | TRA | CT26 | |
| 02561 | 0560 | 00 | 0 | 02544 | | LDQ | CT25C | L TRA TX153 |
| 02562 | 0074 | 00 | 4 | 06504 | | TSX | ERROR, 4 | FALSE TRAP |
| 02563 | 0074 | 00 | 4 | 06511 | TX153 | TSX | OK, 4 | |
| 02564 | 0020 | 00 | 0 | 02541 | | TRA | CT25 | |
| | | | | | | | | |
| 02565 | 632345214060 | | | | | BCD | 1TCNA- | TEST INSTRUCTION |
| 02566 | 0760 | 00 | 0 | 00007 | CT26 | ETM | | ENTER TRAPPING MODE |
| 02567 | -0060 | 60 | 0 | 02575 | | TCNA* | CT26A | SHOULD TRAP |
| 02570 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02571 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02572 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1, 4 | FAILED TO TRAP OR XFER |

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|-------|--------------|----|---|-------|-------|-------|-----------|--|
| 02573 | 0020 | 00 | 0 | 02566 | | TRA | CT26 | |
| 02574 | 0020 | 00 | 0 | 02611 | | TRA | CT27 | |
| 02575 | 0761 | 00 | 0 | 02603 | CT26A | NOP | CT26B | |
| 02576 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02577 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02600 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO TRAP FALSE XFER TO IND ADR |
| 02601 | 0020 | 00 | 0 | 02566 | | TRA | CT26 | |
| 02602 | 0020 | 00 | 0 | 02611 | | TRA | CT27 | |
| 02603 | -0760 | 00 | 0 | 00007 | CT26B | LTM | | LEAVE TRAPPING MODE |
| 02604 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02605 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FAILED TO TRAP FALSE XFER TO DIRECT ADR |
| 02606 | 0074 | 00 | 4 | 06511 | TX154 | TSX | OK,4 | |
| 02607 | 0020 | 00 | 0 | 02566 | | TRA | CT26 | |
| 02610 | 632345224060 | | | | | BCD | 1TCNB- | TEST INSTRUCTION |
| 02611 | 0760 | 00 | 0 | 00007 | CT27 | ETM | | ENTER TRAPPING MODE |
| 02612 | -0061 | 60 | 0 | 02620 | | TCNB* | CT27A | SHOULD TRAP |
| 02613 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02614 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02615 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO TRAP OR XFER |
| 02616 | 0020 | 00 | 0 | 02611 | | TRA | CT27 | |
| 02617 | 0020 | 00 | 0 | 02634 | | TRA | CT28 | |
| 02620 | 0761 | 00 | 0 | 02626 | CT27A | NOP | CT27B | |
| 02621 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02622 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02623 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO TRAP FALSE XFER TO IND ADR |
| 02624 | 0020 | 00 | 0 | 02611 | | TRA | CT27 | |
| 02625 | 0020 | 00 | 0 | 02634 | | TRA | CT28 | |
| 02626 | -0760 | 00 | 0 | 00007 | CT27B | LTM | | LEAVE TRAPPING MODE |
| 02627 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02630 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FAILED TO TRAP FALSE XFER TO DIRECT ADR |
| 02631 | 0074 | 00 | 4 | 06511 | TX155 | TSX | OK,4 | |
| 02632 | 0020 | 00 | 0 | 02611 | | TRA | CT27 | |
| 02633 | 632345234060 | | | | | BCD | 1TCNC- | TEST INSTRUCTION |
| 02634 | 0760 | 00 | 0 | 00007 | CT28 | ETM | | ENTER TRAPPING MODE |
| 02635 | -0062 | 60 | 0 | 02643 | | TCNC* | CT28A | SHOULD TRAP |
| 02636 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02637 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02640 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO TRAP OR XFER |
| 02641 | 0020 | 00 | 0 | 02634 | | TRA | CT28 | |
| 02642 | 0020 | 00 | 0 | 02657 | | TRA | CT29 | |
| 02643 | 0761 | 00 | 0 | 02651 | CT28A | NOP | CT28B | |
| 02644 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 02645 | 0560 | 00 | 0 | 04435 | | LDQ | K28+6 | L TRA 1 IN MQ |
| 02646 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO TRAP FALSE XFER TO IND ADR |
| 02647 | 0020 | 00 | 0 | 02634 | | TRA | CT28 | |
| 02650 | 0020 | 00 | 0 | 02657 | | TRA | CT29 | |
| 02651 | -0760 | 00 | 0 | 00007 | CT28B | LTM | | LEAVE TRAPPING MODE |

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|-------|--------------|----|---|-------|-------|---------------|--|
| 02652 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02653 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE XFER TO DIRECT ADR |
| 02654 | 0074 | 00 | 4 | 06511 | TX156 | TSX OK,4 | |
| 02655 | 0020 | 00 | 0 | 02634 | | TRA CT28 | |
| 02656 | 632345244060 | | | | | BCD 1TCND- | TEST INSTRUCTION |
| 02657 | 0760 | 00 | 0 | 00007 | CT29 | ETM | ENTER TRAPPING MODE |
| 02660 | -0063 | 60 | 0 | 02666 | | TCND* CT29A | SHOULD TRAP |
| 02661 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02662 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02663 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO TRAP OR XFER |
| 02664 | 0020 | 00 | 0 | 02657 | | TRA CT29 | |
| 02665 | 0020 | 00 | 0 | 02702 | | TRA CT30 | |
| 02666 | 0761 | 00 | 0 | 02674 | CT29A | NOP CT29B | |
| 02667 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02670 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02671 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE XFER TO IND ADR |
| 02672 | 0020 | 00 | 0 | 02657 | | TRA CT29 | |
| 02673 | 0020 | 00 | 0 | 02702 | | TRA CT30 | |
| 02674 | -0760 | 00 | 0 | 00007 | CT29B | LTM | LEAVE TRAPPING MODE |
| 02675 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02676 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE XFER TO DIRECT ADR |
| 02677 | 0074 | 00 | 4 | 06511 | TX157 | TSX OK,4 | |
| 02700 | 0020 | 00 | 0 | 02702 | | TRA CT30 | |
| 02701 | 632345254060 | | | | | BCD 1TCNE- | TEST INSTRUCTION |
| 02702 | 0760 | 00 | 0 | 00007 | CT30 | ETM | ENTER TRAPPING MODE |
| 02703 | -0064 | 60 | 0 | 02711 | | TCNE* CT30A | SHOULD TRAP |
| 02704 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02705 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02706 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO TRAP OR XFER |
| 02707 | 0020 | 00 | 0 | 02702 | | TRA CT30 | |
| 02710 | 0020 | 00 | 0 | 02725 | | TRA CT31 | |
| 02711 | 0761 | 00 | 0 | 02717 | CT30A | NOP CT30B | |
| 02712 | -0760 | 00 | 0 | 00007 | | LTM | LEAVE TRAPPING MODE |
| 02713 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02714 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO TRAP FALSE XFER TO IND ADR |
| 02715 | 0020 | 00 | 0 | 02702 | | TRA CT30 | |
| 02716 | 0020 | 00 | 0 | 02725 | | TRA CT31 | |
| 02717 | -0760 | 00 | 0 | 00007 | CT30B | LTM | LEAVE TRAPPING MODE |
| 02720 | 0560 | 00 | 0 | 04435 | | LDQ K28+6 | L TRA 1 IN MQ |
| 02721 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FAILED TO TRAP FALSE XFER TO DIRECT ADR |
| 02722 | 0074 | 00 | 4 | 06511 | TX158 | TSX OK,4 | |
| 02723 | 0020 | 00 | 0 | 02702 | | TRA CT30 | |
| 02724 | 632345264060 | | | | | BCD 1TCNF- | TEST INSTRUCTION |
| 02725 | 0760 | 00 | 0 | 00007 | CT31 | ETM | ENTER TRAPPING MODE |
| 02726 | -0065 | 60 | 0 | 02734 | | TCNF* CT31A | SHOULD TRAP |

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|-------|--------------|----|---|-------|-----------------|--|
| 02727 | -0760 | 00 | 0 | 00007 | LTM | LEAVE TRAPPING MODE |
| 02730 | 0560 | 00 | 0 | 04435 | LDQ K28+6 | L TRA 1 IN MQ |
| 02731 | 0074 | 00 | 4 | 06503 | TSX ERROR-1,4 | FAILED TO TRAP OR XFER |
| 02732 | 0020 | 00 | 0 | 02725 | TRA CT31 | |
| 02733 | 0020 | 00 | 0 | 02750 | TRA CT32 | |
| 02734 | 0761 | 00 | 0 | 02742 | CT31A NOP CT31B | |
| 02735 | -0760 | 00 | 0 | 00007 | LTM | LEAVE TRAPPING MODE |
| 02736 | 0560 | 00 | 0 | 04435 | LDQ K28+6 | L TRA 1 IN MQ |
| 02737 | 0074 | 00 | 4 | 06503 | TSX ERROR-1,4 | FAILED TO TRAP FALSE XFER TO IND ADR |
| 02740 | 0020 | 00 | 0 | 02725 | TRA CT31 | |
| 02741 | 0020 | 00 | 0 | 02750 | TRA CT32 | |
| 02742 | -0760 | 00 | 0 | 00007 | CT31B LTM | LEAVE TRAPPING MODE |
| 02743 | 0560 | 00 | 0 | 04435 | LDQ K28+6 | L TRA 1 IN MQ |
| 02744 | 0074 | 00 | 4 | 06504 | TSX ERROR,4 | FAILED TO TRAP FALSE XFER TO DIRECT ADR |
| 02745 | 0074 | 00 | 4 | 06511 | TX159 TSX OK,4 | |
| 02746 | 0020 | 00 | 0 | 02725 | TRA CT31 | |
| 02747 | 635123216060 | | | | BCD 1TRCA | TEST INSTRUCTION |
| 02750 | 0760 | 00 | 0 | 00007 | CT32 ETM | ENTER TRAPPING MODE |
| 02751 | 0022 | 60 | 0 | 02754 | TRCA* CT32A | SHOULD NOT TRAP OR TRANSFER |
| 02752 | -0760 | 00 | 0 | 00007 | LTM | LEAVE TRAPPING MODE |
| 02753 | 0020 | 00 | 0 | 02772 | CT32C TRA TX160 | |
| 02754 | 0761 | 00 | 0 | 02763 | CT32A NOP CT32B | |
| 02755 | -0760 | 00 | 0 | 00007 | LTM | LEAVE TRAPPING MODE |
| 02756 | 0560 | 00 | 0 | 02753 | LDQ CT32C | L TRA TX160 |
| 02757 | 0074 | 00 | 4 | 06503 | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 02760 | 0020 | 00 | 0 | 02750 | TRA CT32 | |
| 02761 | 0020 | 00 | 0 | 02775 | TRA CT33 | |
| 02762 | 0761 | 00 | 0 | 00000 | NOP | |
| 02763 | -0760 | 00 | 0 | 00007 | CT32B LTM | LEAVE TRAPPING MODE |
| 02764 | 0560 | 00 | 0 | 02753 | LDQ CT32C | L TRA TX160 |
| 02765 | 0074 | 00 | 4 | 06503 | TSX ERROR-1,4 | FALSE XFER TO IND ADR |
| 02766 | 0020 | 00 | 0 | 02750 | TRA CT32 | |
| 02767 | 0020 | 00 | 0 | 02775 | TRA CT33 | |
| 02770 | 0560 | 00 | 0 | 02753 | LDQ CT32C | L TRA TX160 |
| 02771 | 0074 | 00 | 4 | 06504 | TSX ERROR,4 | FALSE TRAP |
| 02772 | 0074 | 00 | 4 | 06511 | TX160 TSX OK,4 | |
| 02773 | 0020 | 00 | 0 | 02750 | TRA CT32 | |
| 02774 | 635123226060 | | | | BCD 1TRCB | TEST INSTRUCTION |
| 02775 | 0760 | 00 | 0 | 00007 | CT33 ETM | ENTER TRAPPING MODE |
| 02776 | -0022 | 60 | 0 | 03001 | TRCB* CT33A | SHOULD NOT TRAP OR TRANSFER |
| 02777 | -0760 | 00 | 0 | 00007 | LTM | LEAVE TRAPPING MODE |
| 03000 | 0020 | 00 | 0 | 03017 | CT33C TRA TX161 | |
| 03001 | 0761 | 00 | 0 | 03035 | CT33A NOP CT33B | |
| 03002 | -0760 | 00 | 0 | 00007 | LTM | LEAVE TRAPPING MODE |
| 03003 | 0560 | 00 | 0 | 03000 | LDQ CT33C | L TRA TX161 |
| 03004 | 0074 | 00 | 4 | 06503 | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03005 | 0020 | 00 | 0 | 02775 | TRA CT33 | |
| 03006 | 0020 | 00 | 0 | 03022 | TRA CT34 | |
| 03007 | 0761 | 00 | 0 | 00000 | NOP | |
| 03010 | -0760 | 00 | 0 | 00007 | CT34B LTM | LEAVE TRAPPING MODE |

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|-------|--------------|----|---|-------|-------|-------|-----------|-----------------------------|
| 03011 | 0560 | 00 | 0 | 03000 | | LDQ | CT33C | L TRA TX161 |
| 03012 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO IND ADR |
| 03013 | 0020 | 00 | 0 | 02775 | | TRA | CT33 | |
| 03014 | 0020 | 00 | 0 | 03022 | | TRA | CT34 | |
| 03015 | 0560 | 00 | 0 | 03000 | | LDQ | CT33C | L TRA TX161 |
| 03016 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE TRAP |
| 03017 | 0074 | 00 | 4 | 06511 | TX161 | TSX | OK,4 | |
| 03020 | 0020 | 00 | 0 | 02775 | | TRA | CT33 | |
| | | | | | | | | |
| 03021 | 635123236060 | | | | | BCD | 1TRCC | TEST INSTRUCTION |
| 03022 | 0760 | 00 | 0 | 00007 | CT34 | ETM | | ENTER TRAPPING MODE |
| 03023 | 0024 | 60 | 0 | 03026 | | TRCC* | CT34A | SHOULD NOT TRAP OR TRANSFER |
| 03024 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03025 | 0020 | 00 | 0 | 03044 | CT34C | TRA | TX162 | |
| 03026 | 0761 | 00 | 0 | 03010 | CT34A | NOP | CT34B | |
| 03027 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03030 | 0560 | 00 | 0 | 03025 | | LDQ | CT34C | L TRA TX162 |
| 03031 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03032 | 0020 | 00 | 0 | 03022 | | TRA | CT34 | |
| 03033 | 0020 | 00 | 0 | 03047 | | TRA | CT35 | |
| 03034 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 03035 | -0760 | 00 | 0 | 00007 | CT33B | LTM | | LEAVE TRAPPING MODE |
| 03036 | 0560 | 00 | 0 | 03025 | | LDQ | CT34C | L TRA TX162 |
| 03037 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO IND ADR |
| 03040 | 0020 | 00 | 0 | 03022 | | TRA | CT34 | |
| 03041 | 0020 | 00 | 0 | 03047 | | TRA | CT35 | |
| 03042 | 0560 | 00 | 0 | 03025 | | LDQ | CT34C | L TRA TX162 |
| 03043 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE TRAP |
| 03044 | 0074 | 00 | 4 | 06511 | TX162 | TSX | OK,4 | |
| 03045 | 0020 | 00 | 0 | 03022 | | TRA | CT34 | |
| | | | | | | | | |
| 03046 | 635123246060 | | | | | BCD | 1TRCD | TEST INSTRUCTION |
| 03047 | 0760 | 00 | 0 | 00007 | CT35 | ETM | | ENTER TRAPPING MODE |
| 03050 | -0024 | 60 | 0 | 03053 | | TRCD* | CT35A | SHOULD NOT TRAP OR TRANSFER |
| 03051 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03052 | 0020 | 00 | 0 | 03071 | CT35C | TRA | TX163 | |
| 03053 | 0761 | 00 | 0 | 03062 | CT35A | NOP | CT35B | |
| 03054 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03055 | 0560 | 00 | 0 | 03052 | | LDQ | CT35C | L TRA TX163 |
| 03056 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03057 | 0020 | 00 | 0 | 03047 | | TRA | CT35 | |
| 03060 | 0020 | 00 | 0 | 03074 | | TRA | CT36 | |
| 03061 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 03062 | -0760 | 00 | 0 | 00007 | CT35B | LTM | | LEAVE TRAPPING MODE |
| 03063 | 0560 | 00 | 0 | 03052 | | LDQ | CT35C | L TRA TX163 |
| 03064 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO IND ADR |
| 03065 | 0020 | 00 | 0 | 03047 | | TRA | CT35 | |
| 03066 | 0020 | 00 | 0 | 03074 | | TRA | CT36 | |
| 03067 | 0560 | 00 | 0 | 03052 | | LDQ | CT35C | L TRA TX163 |
| 03070 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE TRAP |
| 03071 | 0074 | 00 | 4 | 06511 | TX163 | TSX | OK,4 | |
| 03072 | 0020 | 00 | 0 | 03047 | | TRA | CT35 | |

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|-------|------------------|-------|---------------|-----------------------------|
| 03073 | 635123256060 | | BCD 1TRCE | TEST INSTRUCTION |
| 03074 | 0760 00 0 00007 | CT36 | ETM | ENTER TRAPPING MODE |
| 03075 | 0026 60 0 03100 | | TRCE* CT36A | SHOULD NOT TRAP OR TRANSFER |
| 03076 | -0760 00 0 00007 | | LTM | LEAVE TRAPPING MODE |
| 03077 | 0020 00 0 03116 | CT36C | TRA TX164 | |
| 03100 | 0761 00 0 03107 | CT36A | NOP CT36B | |
| 03101 | -0760 00 0 00007 | | LTM | LEAVE TRAPPING MODE |
| 03102 | 0560 00 0 03077 | | LDQ CT36C | L TRA TX164 |
| 03103 | 0074 00 4 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03104 | 0020 00 0 03074 | | TRA CT36 | |
| 03105 | 0020 00 0 03121 | | TRA CT37 | |
| 03106 | 0761 00 0 00000 | | NOP | |
| 03107 | -0760 00 0 00007 | CT36B | LTM | LEAVE TRAPPING MODE |
| 03110 | 0560 00 0 03077 | | LDQ CT36C | L TRA TX164 |
| 03111 | 0074 00 4 06503 | | TSX ERROR-1,4 | FALSE XFER TO IND ADR |
| 03112 | 0020 00 0 03074 | | TRA CT36 | |
| 03113 | 0020 00 0 03121 | | TRA CT37 | |
| 03114 | 0560 00 0 03077 | | LDQ CT36C | L TRA TX164 |
| 03115 | 0074 00 4 06504 | | TSX ERROR,4 | FALSE TRAP |
| 03116 | 0074 00 4 06511 | TX164 | TSX OK,4 | |
| 03117 | 0020 00 0 03074 | | TRA CT36 | |

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|-------|------------------|-------|---------------|-----------------------------|
| 03120 | 635123266060 | | BCD 1TRCF | TEST INSTRUCTION |
| 03121 | 0760 00 0 00007 | CT37 | ETM | ENTER TRAPPING MODE |
| 03122 | -0026 60 0 03125 | | TRCF* CT37A | SHOULD NOT TRAP OR TRANSFER |
| 03123 | -0760 00 0 00007 | | LTM | LEAVE TRAPPING MODE |
| 03124 | 0020 00 0 03143 | CT37C | TRA TX165 | |
| 03125 | 0761 00 0 03134 | CT37A | NOP CT37B | |
| 03126 | -0760 00 0 00007 | | LTM | LEAVE TRAPPING MODE |
| 03127 | 0560 00 0 03124 | | LDQ CT37C | L TRA TX165 |
| 03130 | 0074 00 4 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03131 | 0020 00 0 03121 | | TRA CT37 | |
| 03132 | 0020 00 0 03146 | | TRA CT38 | |
| 03133 | 0761 00 0 00000 | | NOP | |
| 03134 | -0760 00 0 00007 | CT37B | LTM | LEAVE TRAPPING MODE |
| 03135 | 0560 00 0 03124 | | LDQ CT37C | L TRA TX165 |
| 03136 | 0074 00 4 06503 | | TSX ERROR-1,4 | FALSE XFER TO IND ADR |
| 03137 | 0020 00 0 03121 | | TRA CT37 | |
| 03140 | 0020 00 0 03146 | | TRA CT38 | |
| 03141 | 0560 00 0 03124 | | LDQ CT37C | L TRA TX165 |
| 03142 | 0074 00 4 06504 | | TSX ERROR,4 | FALSE TRAP |
| 03143 | 0074 00 4 06511 | TX165 | TSX OK,4 | |
| 03144 | 0020 00 0 03121 | | TRA CT37 | |

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|-------|------------------|-------|---------------|-----------------------------|
| 03145 | 632526216060 | | BCD 1TEFA | TEST INSTRUCTION |
| 03146 | 0760 00 0 00007 | CT38 | ETM | ENTER TRAPPING MODE |
| 03147 | 0030 60 0 03152 | | TEFA* CT38A | SHOULD NOT TRAP OR TRANSFER |
| 03150 | -0760 00 0 00007 | | LTM | LEAVE TRAPPING MODE |
| 03151 | 0020 00 0 03170 | CT38C | TRA TX166 | |
| 03152 | 0761 00 0 03161 | CT38A | NOP CT38B | |
| 03153 | -0760 00 0 00007 | | LTM | LEAVE TRAPPING MODE |
| 03154 | 0560 00 0 03151 | | LDQ CT38C | L TRA TX166 |
| 03155 | 0074 00 4 06503 | | TSX ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03156 | 0020 00 0 03146 | | TRA CT38 | |

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|-------|--------------|----|---|-------|-------|-------|-----------|---------------------|----------------------|
| 03157 | 0020 | 00 | 0 | 03173 | | TRA | CT39 | | |
| 03160 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03161 | -0760 | 00 | 0 | 00007 | CT38B | LTM | | LEAVE TRAPPING MODE | |
| 03162 | 0560 | 00 | 0 | 03151 | | LDQ | CT38C | L TRA | TX166 |
| 03163 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE | XFER TO IND ADR |
| 03164 | 0020 | 00 | 0 | 03146 | | TRA | CT38 | | |
| 03165 | 0020 | 00 | 0 | 03173 | | TRA | CT39 | | |
| 03166 | 0560 | 00 | 0 | 03151 | | LDQ | CT38C | L TRA | TX166 |
| 03167 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | TRAP |
| 03170 | 0074 | 00 | 4 | 06511 | TX166 | TSX | OK,4 | | |
| 03171 | 0020 | 00 | 0 | 03146 | | TRA | CT38 | | |
| | | | | | | | | | |
| 03172 | 632526226060 | | | | | BCD | 1TEFB | TEST | INSTRUCTION |
| 03173 | 0760 | 00 | 0 | 00007 | CT39 | ETM | | ENTER | TRAPPING MODE |
| 03174 | -0030 | 60 | 0 | 03177 | | TEFB* | CT39A | SHOULD | NOT TRAP OR TRANSFER |
| 03175 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE | TRAPPING MODE |
| 03176 | 0020 | 00 | 0 | 03215 | CT39C | TRA | TX167 | | |
| 03177 | 0761 | 00 | 0 | 03206 | CT39A | NOP | CT39B | | |
| 03200 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE | TRAPPING MODE |
| 03201 | 0560 | 00 | 0 | 03176 | | LDQ | CT39C | L TRA | TX167 |
| 03202 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE | XFER TO DIRECT ADR |
| 03203 | 0020 | 00 | 0 | 03173 | | TRA | CT39 | | |
| 03204 | 0020 | 00 | 0 | 03220 | | TRA | CT40 | | |
| 03205 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03206 | -0760 | 00 | 0 | 00007 | CT39B | LTM | | LEAVE | TRAPPING MODE |
| 03207 | 0560 | 00 | 0 | 03176 | | LDQ | CT39C | L TRA | TX167 |
| 03210 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE | XFER TO IND ADR |
| 03211 | 0020 | 00 | 0 | 03173 | | TRA | CT39 | | |
| 03212 | 0020 | 00 | 0 | 03220 | | TRA | CT40 | | |
| 03213 | 0560 | 00 | 0 | 03176 | | LDQ | CT39C | L TRA | TX167 |
| 03214 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | TRAP |
| 03215 | 0074 | 00 | 4 | 06511 | TX167 | TSX | OK,4 | | |
| 03216 | 0020 | 00 | 0 | 03173 | | TRA | CT39 | | |
| | | | | | | | | | |
| 03217 | 632526236060 | | | | | BCD | 1TEFC | TEST | INSTRUCTION |
| 03220 | 0760 | 00 | 0 | 00007 | CT40 | ETM | | ENTER | TRAPPING MODE |
| 03221 | 0031 | 60 | 0 | 03224 | | TEFC* | CT40A | SHOULD | NOT TRAP OR TRANSFER |
| 03222 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE | TRAPPING MODE |
| 03223 | 0020 | 00 | 0 | 03242 | CT40C | TRA | TX168 | | |
| 03224 | 0761 | 00 | 0 | 03233 | CT40A | NOP | CT40B | | |
| 03225 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE | TRAPPING MODE |
| 03226 | 0560 | 00 | 0 | 03223 | | LDQ | CT40C | L TRA | TX168 |
| 03227 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE | XFER TO DIRECT ADR |
| 03230 | 0020 | 00 | 0 | 03220 | | TRA | CT40 | | |
| 03231 | 0020 | 00 | 0 | 03245 | | TRA | CT41 | | |
| 03232 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03233 | -0760 | 00 | 0 | 00007 | CT40B | LTM | | LEAVE | TRAPPING MODE |
| 03234 | 0560 | 00 | 0 | 03223 | | LDQ | CT40C | L TRA | TX168 |
| 03235 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE | XFER TO IND ADR |
| 03236 | 0020 | 00 | 0 | 03220 | | TRA | CT40 | | |
| 03237 | 0020 | 00 | 0 | 03245 | | TRA | CT41 | | |
| 03240 | 0560 | 00 | 0 | 03223 | | LDQ | CT40C | L TRA | TX168 |
| 03241 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | TRAP |
| 03242 | 0074 | 00 | 4 | 06511 | TX168 | TSX | OK,4 | | |

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|-------|--------------|----|---|-------|-------|-------|-----------|-----------------------------|
| 03243 | 0020 | 00 | 0 | 03220 | | TRA | CT40 | |
| 03244 | 632526246060 | | | | | BCD | 1TEFD | TEST INSTRUCTION |
| 03245 | 0760 | 00 | 0 | 00007 | CT41 | ETM | | ENTER TRAPPING MODE |
| 03246 | -0031 | 60 | 0 | 03251 | | TEFD* | CT41A | SHOULD NOT TRAP OR TRANSFER |
| 03247 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03250 | 0020 | 00 | 0 | 03267 | CT41C | TRA | TX169 | |
| 03251 | 0761 | 00 | 0 | 03260 | CT41A | NOP | CT41B | |
| 03252 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03253 | 0560 | 00 | 0 | 03250 | | LDQ | CT41C | L TRA TX169 |
| 03254 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03255 | 0020 | 00 | 0 | 03245 | | TRA | CT41 | |
| 03256 | 0020 | 00 | 0 | 03272 | | TRA | CT42 | |
| 03257 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 03260 | -0760 | 00 | 0 | 00007 | CT41B | LTM | | LEAVE TRAPPING MODE |
| 03261 | 0560 | 00 | 0 | 03250 | | LDQ | CT41C | L TRA TX169 |
| 03262 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO IND ADR |
| 03263 | 0020 | 00 | 0 | 03245 | | TRA | CT41 | |
| 03264 | 0020 | 00 | 0 | 03272 | | TRA | CT42 | |
| 03265 | 0560 | 00 | 0 | 03250 | | LDQ | CT41C | L TRA TX169 |
| 03266 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE TRAP |
| 03267 | 0074 | 00 | 4 | 06511 | TX169 | TSX | OK,4 | |
| 03270 | 0020 | 00 | 0 | 03245 | | TRA | CT41 | |
| 03271 | 632526256060 | | | | | BCD | 1TEFE | TEST INSTRUCTION |
| 03272 | 0760 | 00 | 0 | 00007 | CT42 | ETM | | ENTER TRAPPING MODE |
| 03273 | 0032 | 60 | 0 | 03276 | | TEFE* | CT42A | SHOULD NOT TRAP OR TRANSFER |
| 03274 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03275 | 0020 | 00 | 0 | 03314 | CT42C | TRA | TX170 | |
| 03276 | 0761 | 00 | 0 | 03305 | CT42A | NOP | CT42B | |
| 03277 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03300 | 0560 | 00 | 0 | 03275 | | LDQ | CT42C | L TRA TX170 |
| 03301 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03302 | 0020 | 00 | 0 | 03272 | | TRA | CT42 | |
| 03303 | 0020 | 00 | 0 | 03317 | | TRA | CT43 | |
| 03304 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 03305 | -0760 | 00 | 0 | 00007 | CT42B | LTM | | LEAVE TRAPPING MODE |
| 03306 | 0560 | 00 | 0 | 03275 | | LDQ | CT42C | L TRA TX170 |
| 03307 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO IND ADR |
| 03310 | 0020 | 00 | 0 | 03272 | | TRA | CT42 | |
| 03311 | 0020 | 00 | 0 | 03317 | | TRA | CT43 | |
| 03312 | 0560 | 00 | 0 | 03275 | | LDQ | CT42C | L TRA TX170 |
| 03313 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE TRAP |
| 03314 | 0074 | 00 | 4 | 06511 | TX170 | TSX | OK,4 | |
| 03315 | 0020 | 00 | 0 | 03272 | | TRA | CT42 | |
| 03316 | 632526266060 | | | | | BCD | 1TEFF | TEST INSTRUCTION |
| 03317 | 0760 | 00 | 0 | 00007 | CT43 | ETM | | ENTER TRAPPING MODE |
| 03320 | -0032 | 60 | 0 | 03323 | | TEFF* | CT43A | SHOULD NOT TRAP OR TRANSFER |
| 03321 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |
| 03322 | 0020 | 00 | 0 | 03341 | CT43C | TRA | TX171 | |
| 03323 | 0761 | 00 | 0 | 03332 | CT43A | NOP | CT43B | |
| 03324 | -0760 | 00 | 0 | 00007 | | LTM | | LEAVE TRAPPING MODE |

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|-------|-------|----|---|-------|-----------|-----------|--------------------------|
| 03325 | 0560 | 00 | 0 | 03322 | LDQ | CT43C | L TRA TX171 |
| 03326 | 0074 | 00 | 4 | 06503 | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR |
| 03327 | 0020 | 00 | 0 | 03317 | TRA | CT43 | |
| 03330 | 0020 | 00 | 0 | 03344 | TRA | EA | |
| 03331 | 0761 | 00 | 0 | 00000 | NOP | | |
| 03332 | -0760 | 00 | 0 | 00007 | CT43B LTM | | LEAVE TRAPPING MODE |
| 03333 | 0560 | 00 | 0 | 03322 | LDQ | CT43C | L TRA TX171 |
| 03334 | 0074 | 00 | 4 | 06503 | TSX | ERROR-1,4 | FALSE XFER TO IND ADR |
| 03335 | 0020 | 00 | 0 | 03317 | TRA | CT43 | |
| 03336 | 0020 | 00 | 0 | 03344 | TRA | EA | |
| 03337 | 0560 | 00 | 0 | 03322 | LDQ | CT43C | L TRA TX171 |
| 03340 | 0074 | 00 | 4 | 06504 | TSX | ERROR,4 | FALSE TRAP |
| 03341 | 0074 | 00 | 4 | 06511 | TX171 TSX | OK,4 | |
| 03342 | 0020 | 00 | 0 | 03317 | TRA | CT43 | |

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|-------|------|----|---|-------|-----|----------|---------|
| 03343 | 0761 | 00 | 0 | 00000 | NOP | | |
| 03344 | 0500 | 00 | 0 | 00046 | EA | CLA TX2A | POST |
| 03345 | 0601 | 00 | 0 | 00000 | | STO 0 | RESTART |
| 03346 | 0020 | 00 | 0 | 03350 | TRA | E1 | |

SENSE INDICATOR INSTRUCTIONS
WITH REFERENCE TO STORAGE

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|-------|--------------|----|---|-------|-----------|---------------|-------------------------|
| 03347 | 432431606060 | | | | BCD | 1LDI | TEST INSTRUCTION |
| 03350 | 0441 | 60 | 0 | 04311 | E1 | LDI* K2+1 | L 377777777777 -- K21+1 |
| 03351 | -0046 | 00 | 0 | 00000 | | PIA | |
| 03352 | -0340 | 00 | 0 | 04342 | | LAS K21+1 | |
| 03353 | 0020 | 00 | 0 | 03355 | | TRA E1A | |
| 03354 | 0020 | 00 | 0 | 03364 | | TRA TX230 | |
| 03355 | -0340 | 00 | 0 | 04311 | E1A | LAS K2+1 | |
| 03356 | 0020 | 00 | 0 | 03360 | | TRA E1B | |
| 03357 | 0020 | 00 | 0 | 03363 | | TRA E1C | |
| 03360 | 0074 | 00 | 4 | 06503 | E1B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 03361 | 0020 | 00 | 0 | 03350 | | TRA E1 | |
| 03362 | 0020 | 00 | 0 | 03367 | | TRA E2 | |
| 03363 | 0074 | 00 | 4 | 06504 | E1C | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 03364 | 0074 | 00 | 4 | 06511 | TX230 TSX | OK,4 | |
| 03365 | 0020 | 00 | 0 | 03350 | TRA | E1 | |

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|-------|--------------|----|---|-------|-----|---------------|-------------------------|
| 03366 | 466231606060 | | | | BCD | 1OSI | TEST INSTRUCTION |
| 03367 | 0600 | 00 | 0 | 04441 | E2 | STZ T1 | RESET T1 |
| 03370 | 0441 | 00 | 0 | 04406 | | LDI K24+7 | L 377740000000 IN INDS |
| 03371 | 0442 | 00 | 0 | 04320 | | OSI K3+5 | L 0761000K24+3 |
| 03372 | 0604 | 00 | 0 | 04441 | | STI T1 | |
| 03373 | 0441 | 00 | 0 | 04406 | | LDI K24+7 | L 377740000000 |
| 03374 | 0442 | 60 | 0 | 04320 | | OSI* K3+5 | L 000777777777 -- K24+3 |
| 03375 | -0046 | 00 | 0 | 00000 | | PIA | |
| 03376 | -0340 | 00 | 0 | 04342 | | LAS K21+1 | |
| 03377 | 0020 | 00 | 0 | 03401 | | TRA E2A | |
| 03400 | 0020 | 00 | 0 | 03410 | | TRA TX231 | |
| 03401 | -0340 | 00 | 0 | 04441 | E2A | LAS T1 | |
| 03402 | 0020 | 00 | 0 | 03404 | | TRA E2B | |
| 03403 | 0020 | 00 | 0 | 03407 | | TRA E2C | |
| 03404 | 0074 | 00 | 4 | 06503 | E2B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |

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|-------|--------------|----|---|-------|-------|------|-----------|--------|-----------------------|
| 03405 | 0020 | 00 | 0 | 03367 | | TRA | E2 | | |
| 03406 | 0020 | 00 | 0 | 03413 | | TRA | E3 | | |
| 03407 | 0074 | 00 | 4 | 06504 | E2C | TSX | ERROR,4 | FALSE | DIRECT ADDRESSING |
| 03410 | 0074 | 00 | 4 | 06511 | TX231 | TSX | OK,4 | | |
| 03411 | 0020 | 00 | 0 | 03367 | | TRA | E2 | | |
| | | | | | | | | | |
| 03412 | 513162606060 | | | | | BCD | 1RIS | TEST | INSTRUCTION |
| 03413 | 0600 | 00 | 0 | 04441 | E3 | STZ | T1 | RESET | T1 |
| 03414 | 0441 | 00 | 0 | 04342 | | LDI | K21+1 | L | 377777777777 IN INDS |
| 03415 | 0445 | 00 | 0 | 04320 | | RIS | K3+5 | | |
| 03416 | 0604 | 00 | 0 | 04441 | | STI | T1 | | |
| 03417 | 0441 | 00 | 0 | 04342 | | LDI | K21+1 | L | 377777777777 IN INDS |
| 03420 | 0445 | 60 | 0 | 04320 | | RIS* | K3+5 | RIS | 000777777777 --K24+3 |
| 03421 | -0046 | 00 | 0 | 00000 | | PIA | | | |
| 03422 | -0340 | 00 | 0 | 04350 | | LAS | K21+7 | | |
| 03423 | 0020 | 00 | 0 | 03425 | | TRA | E3A | | |
| 03424 | 0020 | 00 | 0 | 03434 | | TRA | TX232 | | |
| 03425 | -0340 | 00 | 0 | 04441 | E3A | LAS | T1 | | |
| 03426 | 0020 | 00 | 0 | 03430 | | TRA | E3B | | |
| 03427 | 0020 | 00 | 0 | 03433 | | TRA | E3C | | |
| 03430 | 0074 | 00 | 4 | 06503 | E3B | TSX | ERROR-1,4 | FAILED | TO IA CORRECTLY |
| 03431 | 0020 | 00 | 0 | 03413 | | TRA | E3 | | |
| 03432 | 0020 | 00 | 0 | 03437 | | TRA | E4 | | |
| 03433 | 0074 | 00 | 4 | 06504 | E3C | TSX | ERROR,4 | | |
| 03434 | 0074 | 00 | 4 | 06511 | TX232 | TSX | OK,4 | | |
| 03435 | 0020 | 00 | 0 | 03413 | | TRA | E3 | | |
| | | | | | | | | | |
| 03436 | 313162606060 | | | | | BCD | 1IIS | TEST | INSTRUCTION |
| 03437 | 0600 | 00 | 0 | 04441 | E4 | STZ | T1 | RESET | T1 |
| 03440 | 0441 | 00 | 0 | 04342 | | LDI | K21+1 | L | 377777777777 IN INDS |
| 03441 | 0440 | 00 | 0 | 04320 | | IIS | K3+5 | | |
| 03442 | 0604 | 00 | 0 | 04441 | | STI | T1 | | |
| 03443 | 0441 | 00 | 0 | 04342 | | LDI | K21+1 | L | 377777777777 IN INDS |
| 03444 | 0440 | 60 | 0 | 04320 | | IIS* | K3+5 | IIS | 000777777777 -- K24+3 |
| 03445 | -0046 | 00 | 0 | 00000 | | PIA | | | |
| 03446 | -0340 | 00 | 0 | 04350 | | LAS | K21+7 | | |
| 03447 | 0020 | 00 | 0 | 03451 | | TRA | E4A | | |
| 03450 | 0020 | 00 | 0 | 03460 | | TRA | TX233 | | |
| 03451 | -0340 | 00 | 0 | 04441 | E4A | LAS | T1 | | |
| 03452 | 0020 | 00 | 0 | 03454 | | TRA | E4B | | |
| 03453 | 0020 | 00 | 0 | 03457 | | TRA | E4C | | |
| 03454 | 0074 | 00 | 4 | 06503 | E4B | TSX | ERROR-1,4 | FAILED | TO IA CORRECTLY |
| 03455 | 0020 | 00 | 0 | 03437 | | TRA | E4 | | |
| 03456 | 0020 | 00 | 0 | 03506 | | TRA | E6 | | |
| 03457 | 0074 | 00 | 4 | 06504 | E4C | TSX | ERROR,4 | FALSE | DIRECT ADDRESSING |
| 03460 | 0074 | 00 | 4 | 06511 | TX233 | TSX | OK,4 | | |
| 03461 | 0020 | 00 | 0 | 03437 | | TRA | E4 | | |
| | | | | | | | | | |
| 03462 | 626331606060 | | | | | BCD | 1STI | TEST | INSTRUCTION |
| 03463 | 0600 | 00 | 0 | 04441 | E5 | STZ | T1 | RESET | |
| 03464 | 0500 | 00 | 0 | 04443 | | CLA | T1+2 | L | NOP T1 |
| 03465 | 0601 | 00 | 0 | 04277 | | STO | K0+5 | | |
| 03466 | 0441 | 00 | 0 | 04342 | | LDI | K21+1 | L | 377777777777 IN INDS |

| | | | | | | | |
|-------|------|----|---|-------|-------|---------------|-------------------------|
| 03467 | 0604 | 60 | 0 | 04277 | | STI* K0+5 | |
| 03470 | 0500 | 00 | 0 | 04342 | | CLA K21+1 | L 3777777777777 |
| 03471 | 0340 | 00 | 0 | 04441 | | CAS T1 | |
| 03472 | 0020 | 00 | 0 | 03474 | | TRA E5A | |
| 03473 | 0020 | 00 | 0 | 03503 | | TRA TX234 | |
| 03474 | 0340 | 00 | 0 | 04277 | E5A | CAS K0+5 | |
| 03475 | 0020 | 00 | 0 | 03477 | | TRA E5B | |
| 03476 | 0020 | 00 | 0 | 03502 | | TRA E5C | |
| 03477 | 0074 | 00 | 4 | 06503 | E5B | TSX ERROR-1,4 | FAILED TO IA CORRECTLY |
| 03500 | 0020 | 00 | 0 | 03463 | | TRA E5 | |
| 03501 | 0020 | 00 | 0 | 03506 | | TRA E6 | |
| 03502 | 0074 | 00 | 4 | 06504 | E5C | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 03503 | 0074 | 00 | 4 | 06511 | TX234 | TSX OK,4 | |
| 03504 | 0020 | 00 | 0 | 03463 | | TRA E5 | |

SENSE INDICATOR
TRANSFER INSTRUCTIONS

| | | | | | | | |
|-------|--------------|----|---|-------|-------|---------------|-------------------------|
| 03505 | 633146606060 | | | | | BCD 1TIO | TEST INSTRUCTION |
| 03506 | 0500 | 00 | 0 | 04401 | E6 | CLA K24+2 | L 000007070707 |
| 03507 | 0441 | 00 | 0 | 04401 | | LDI K24+2 | L 000007070707 IN INDS |
| 03510 | 0042 | 60 | 0 | 03514 | | TIO* E6A | SHOULD XFER |
| 03511 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 03512 | 0020 | 00 | 0 | 03506 | | TRA E6 | |
| 03513 | 0020 | 00 | 0 | 03521 | | TRA E7 | |
| 03514 | 0761 | 00 | 0 | 03516 | E6A | NOP TX235 | |
| 03515 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 03516 | 0074 | 00 | 4 | 06511 | TX235 | TSX OK,4 | |
| 03517 | 0020 | 00 | 0 | 03506 | | TRA E6 | |

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|-------|--------------|----|---|-------|-------|---------------|-------------------------|
| 03520 | 633126606060 | | | | | BCD 1TIF | TEST INSTRUCTION |
| 03521 | 0500 | 00 | 0 | 04377 | E7 | CLA K24 | L 200000707070 |
| 03522 | 0441 | 00 | 0 | 04401 | | LDI K24+2 | L 0000007070707 IN INDS |
| 03523 | 0046 | 60 | 0 | 03527 | | TIF* E7A | SHOULD XFER |
| 03524 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 03525 | 0020 | 00 | 0 | 03521 | | TRA E7 | |
| 03526 | 0020 | 00 | 0 | 03534 | | TRA E8 | |
| 03527 | 0761 | 00 | 0 | 03531 | E7A | NOP TX236 | |
| 03530 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FALSE DIRECT ADDRESSING |
| 03531 | 0074 | 00 | 4 | 06511 | TX236 | TSX OK,4 | |
| 03532 | 0020 | 00 | 0 | 03521 | | TRA E7 | |

| | | | | | | | |
|-------|--------------|----|---|-------|-----|---------------|-------------------------|
| 03533 | 464563606060 | | | | | BCD 1ONT | TEST INSTRUCTION |
| 03534 | 0441 | 00 | 0 | 04401 | E8 | LDI K24+2 | L 000007070707 IN INDS |
| 03535 | 0446 | 60 | 0 | 04321 | | ONT* K3+6 | SHOULD SKIP |
| 03536 | 0020 | 00 | 0 | 03540 | | TRA E8A | FAILED TO SKIP |
| 03537 | 0020 | 00 | 0 | 03547 | | TRA TX237 | |
| 03540 | 0441 | 00 | 0 | 04321 | E8A | LDI K3+6 | |
| 03541 | 0446 | 60 | 0 | 04321 | | ONT* K3+6 | |
| 03542 | 0020 | 00 | 0 | 03546 | | TRA E8B | |
| 03543 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FALSE DIRECT ADDRESSING |
| 03544 | 0020 | 00 | 0 | 03534 | | TRA E8 | |

| | | | | | | | | | |
|-------|--------------|----|---|-------|-------|------|-----------|----------------|-------------------|
| 03545 | 0020 | 00 | 0 | 03552 | | TRA | E9 | | |
| 03546 | 0074 | 00 | 4 | 06504 | E8B | TSX | ERROR,4 | FAILED TO IA | CORRECTLY |
| 03547 | 0074 | 00 | 4 | 06511 | TX237 | TSX | OK,4 | | |
| 03550 | 0020 | 00 | 0 | 03534 | | TRA | E8 | | |
| | | | | | | | | | |
| 03551 | 462663606060 | | | | | BCD | 1OFT | TEST | INSTRUCTION |
| 03552 | 0441 | 00 | 0 | 04401 | E9 | LDI | K24+2 | L 000007070707 | IN INDS |
| 03553 | 0444 | 60 | 0 | 04317 | | OFT* | K3+4 | SHOULD | SKIP |
| 03554 | 0020 | 00 | 0 | 03556 | | TRA | E9A | FAILED TO | SKIP |
| 03555 | 0020 | 00 | 0 | 03566 | | TRA | TX238 | | |
| 03556 | 0441 | 00 | 0 | 04317 | E9A | LDI | K3+4 | | |
| 03557 | 0440 | 00 | 0 | 04317 | | IIS | K3+4 | | |
| 03560 | 0444 | 60 | 0 | 04317 | | OFT* | K3+4 | | |
| 03561 | 0020 | 00 | 0 | 03565 | | TRA | E9B | | |
| 03562 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE | DIRECT ADDRESSING |
| 03563 | 0020 | 00 | 0 | 03552 | | TRA | E9 | | |
| 03564 | 0020 | 00 | 0 | 03571 | | TRA | F1 | | |
| 03565 | 0074 | 00 | 4 | 06504 | E9B | TSX | ERROR,4 | FAILED TO IA | CORRECTLY |
| 03566 | 0074 | 00 | 4 | 06511 | TX238 | TSX | OK,4 | | |
| 03567 | 0020 | 00 | 0 | 03552 | | TRA | E9 | | |

TEST-COMPREHENSIVE
INDIRECT ADDRESSING

| | | | | | | | | | |
|-------|------|----|---|-------|-------|------|-----------|-------------|--------------------|
| 03570 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03571 | 0500 | 60 | 0 | 04272 | F1 | CLA* | K0 | L +00444 -- | K20 |
| 03572 | 0400 | 60 | 0 | 04273 | | ADD* | K0+1 | L +00555 -- | K20+1 |
| 03573 | 0402 | 60 | 0 | 04272 | | SUB* | K0 | L +00444 -- | K20 |
| 03574 | 0601 | 60 | 0 | 04277 | | STO* | K0+5 | T1 | EFF |
| 03575 | 0120 | 60 | 0 | 03601 | | TPL* | F1A | SHOULD | XFER |
| 03576 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO | XFER |
| 03577 | 0020 | 00 | 0 | 03571 | | TRA | F1 | | |
| 03600 | 0020 | 00 | 0 | 03606 | | TRA | F2 | | |
| 03601 | 0761 | 00 | 0 | 03603 | F1A | NOP | TX250 | | |
| 03602 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | XFER TO DIRECT ADR |
| 03603 | 0074 | 00 | 4 | 06511 | TX250 | TSX | OK,4 | | |
| 03604 | 0020 | 00 | 0 | 03571 | | TRA | F1 | | |

| | | | | | | | | | |
|-------|-------|----|---|-------|-------|------|-----------|-----------|--------------------|
| 03605 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03606 | 0502 | 60 | 0 | 04277 | F2 | CLS* | K0+5 | L NEG OF | T1 EFF |
| 03607 | -0120 | 60 | 0 | 03613 | | TMI* | F2A | SHOULD | XFER |
| 03610 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO | XFER |
| 03611 | 0020 | 00 | 0 | 03606 | | TRA | F2 | | |
| 03612 | 0020 | 00 | 0 | 03620 | | TRA | F3 | | |
| 03613 | 0761 | 00 | 0 | 03615 | F2A | NOP | TX251 | | |
| 03614 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | XFER TO DIRECT ADR |
| 03615 | 0074 | 00 | 4 | 06511 | TX251 | TSX | OK,4 | | |
| 03616 | 0020 | 00 | 0 | 03606 | | TRA | F2 | | |

| | | | | | | | | | |
|-------|------|----|---|-------|----|------|------|-------|--------|
| 03617 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03620 | 0600 | 60 | 0 | 04277 | F3 | STZ* | K0+5 | RESET | T1 EFF |

| | | | | | | | | | |
|-------|-------|----|---|-------|-------|------|-----------|----------------------------|--|
| 03621 | 0760 | 00 | 0 | 00000 | | CLM | | CLEAR ACC | |
| 03622 | 0401 | 60 | 0 | 04277 | | ADM* | K0+5 | | |
| 03623 | 0100 | 60 | 0 | 03627 | | TZE* | F3A | SHOULD XFER | |
| 03624 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO XFER | |
| 03625 | 0020 | 00 | 0 | 03620 | | TRA | F3 | | |
| 03626 | 0020 | 00 | 0 | 03634 | | TRA | F4 | | |
| 03627 | 0761 | 00 | 0 | 03631 | F3A | NOP | TX252 | | |
| 03630 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE XFER TO DIRECT ADR | |
| 03631 | 0074 | 00 | 4 | 06511 | TX252 | TSX | OK,4 | | |
| 03632 | 0020 | 00 | 0 | 03620 | | TRA | F3 | | |
| | | | | | | | | | |
| 03633 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03634 | 0502 | 60 | 0 | 04274 | F4 | CLS* | K0+2 | L -222222 --K20+4 | |
| 03635 | -0400 | 60 | 0 | 04274 | | SBM* | K0+2 | L -222222 --K20+4 | |
| 03636 | -0100 | 60 | 0 | 03640 | | TNZ* | F4A | SHOULD NOT XFER | |
| 03637 | 0020 | 00 | 0 | 03645 | | TRA | TX253 | | |
| 03640 | 0761 | 00 | 0 | 03644 | F4A | NOP | F4B | | |
| 03641 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FALSE XFER TO DIRECT ADR | |
| 03642 | 0020 | 00 | 0 | 03634 | | TRA | F4 | | |
| 03643 | 0020 | 00 | 0 | 03650 | | TRA | F5 | | |
| 03644 | 0074 | 00 | 4 | 06504 | F4B | TSX | ERROR,4 | FALSE XFER TO INDIRECT ADR | |
| 03645 | 0074 | 00 | 4 | 06511 | TX253 | TSX | OK,4 | | |
| 03646 | 0020 | 00 | 0 | 03634 | | TRA | F4 | | |
| | | | | | | | | | |
| 03647 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03650 | 0560 | 60 | 0 | 04275 | F5 | LDQ* | K0+3 | L +50 --K20+6 | |
| 03651 | 0200 | 60 | 0 | 04275 | | MPY* | K0+3 | L +50 --K20+6 | |
| 03652 | 0500 | 60 | 0 | 04312 | | CLA* | K2+2 | L +0 -- K20+2 | |
| 03653 | 0221 | 60 | 0 | 04275 | | DVP* | K0+3 | L +50 -- K20+6 | |
| 03654 | 0763 | 00 | 0 | 00043 | | LLS | 35 | | |
| 03655 | 0402 | 60 | 0 | 04275 | | SUB* | K0+3 | L +50 -- K20+6 | |
| 03656 | 0100 | 60 | 0 | 03662 | | TZE* | F5A | SHOULD XFER | |
| 03657 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO XFER | |
| 03660 | 0020 | 00 | 0 | 03650 | | TRA | F5 | | |
| 03661 | 0020 | 00 | 0 | 03667 | | TRA | F6 | | |
| 03662 | 0761 | 00 | 0 | 03664 | F5A | NOP | TX254 | | |
| 03663 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE XFER TO DIRECT ADR | |
| 03664 | 0074 | 00 | 4 | 06511 | TX254 | TSX | OK,4 | | |
| 03665 | 0020 | 00 | 0 | 03650 | | TRA | F5 | | |
| | | | | | | | | | |
| 03666 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03667 | 0560 | 60 | 0 | 04311 | F6 | LDQ* | K2+1 | L +377777777777 -- K21+1 | |
| 03670 | -0600 | 60 | 0 | 04277 | | STQ* | K0+5 | T1 EFF | |
| 03671 | 0500 | 60 | 0 | 04277 | | CLA* | K0+5 | L +377777777777 -- T1 | |
| 03672 | 0600 | 60 | 0 | 04277 | | STZ* | K0+5 | RESET T1 EFF | |
| 03673 | 0625 | 60 | 0 | 04277 | | STT* | K0+5 | | |
| 03674 | 0630 | 60 | 0 | 04277 | | STP* | K0+5 | | |
| 03675 | 0622 | 60 | 0 | 04277 | | STD* | K0+5 | | |
| 03676 | 0621 | 60 | 0 | 04277 | | STA* | K0+5 | | |
| 03677 | 0402 | 60 | 0 | 04277 | | SUB* | K0+5 | L +377777777777 -- T1 | |
| 03700 | 0100 | 60 | 0 | 03704 | | TZE* | F6A | SHOULD XFER | |
| 03701 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED TO XFER | |
| 03702 | 0020 | 00 | 0 | 03667 | | TRA | F6 | | |

| | | | | | | | | | |
|-------|-------|----|---|-------|-------|------|-----------|-----------------|--------------------|
| 03703 | 0020 | 00 | 0 | 03711 | | TRA | F7 | | |
| 03704 | 0761 | 00 | 0 | 03706 | F6A | NOP | TX255 | | |
| 03705 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | XFER TO DIRECT ADR |
| 03706 | 0074 | 00 | 4 | 06511 | TX255 | TSX | OK,4 | | |
| 03707 | 0020 | 00 | 0 | 03667 | | TRA | F6 | | |
| | | | | | | | | | |
| 03710 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03711 | -0500 | 60 | 0 | 04311 | F7 | CAL* | K2+1 | L +377777777777 | --K21+1 |
| 03712 | 0361 | 60 | 0 | 04312 | | ACL* | K2+2 | L +0 | |
| 03713 | 0602 | 60 | 0 | 04300 | | SLW* | K0+6 | T1+1 | EFF |
| 03714 | -0320 | 60 | 0 | 04300 | | ANA* | K0+6 | | |
| 03715 | 0320 | 60 | 0 | 04300 | | ANS* | K0+6 | | |
| 03716 | 0402 | 60 | 0 | 04300 | | SUB* | K0+6 | L +377777777777 | -- T1+1 |
| 03717 | 0100 | 60 | 0 | 03723 | | TZE* | F7A | SHOULD | XFER |
| 03720 | 0074 | 00 | 4 | 06503 | | TSX | ERROR-1,4 | FAILED | TO XFER |
| 03721 | 0020 | 00 | 0 | 03711 | | TRA | F7 | | |
| 03722 | 0020 | 00 | 0 | 03730 | | TRA | F8 | | |
| 03723 | 0761 | 00 | 0 | 03725 | F7A | NOP | TX256 | | |
| 03724 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | XFER TO DIRECT ADR |
| 03725 | 0074 | 00 | 4 | 06511 | TX256 | TSX | OK,4 | | |
| 03726 | 0020 | 00 | 0 | 03711 | | TRA | F7 | | |
| | | | | | | | | | |
| 03727 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03730 | 0500 | 60 | 0 | 04311 | F8 | CLA* | K2+1 | L +377777777777 | -- K21+1 |
| 03731 | 0600 | 60 | 0 | 04277 | | STZ* | K0+5 | RESET | T1 |
| 03732 | -0602 | 60 | 0 | 04277 | | ORS* | K0+5 | | |
| 03733 | 0760 | 00 | 0 | 00006 | | COM | | REPLACE | ALL ONES BY ZEROS |
| 03734 | 0767 | 00 | 0 | 00002 | | ALS | 2 | | |
| 03735 | -0501 | 60 | 0 | 04277 | | ORA* | K0+5 | L +377777777777 | -- T1 |
| 03736 | 0402 | 60 | 0 | 04277 | | SUB* | K0+5 | L +377777777777 | -- T1 |
| 03737 | 0100 | 60 | 0 | 03743 | | TZE* | F8A | SHOULD | XFER |
| 03740 | 0100 | 00 | 4 | 06503 | | TZE | ERROR-1,4 | FAILED | TO XFER |
| 03741 | 0020 | 00 | 0 | 03730 | | TRA | F8 | | |
| 03742 | 0020 | 00 | 0 | 03750 | | TRA | F9 | | |
| 03743 | 0761 | 00 | 0 | 03745 | F8A | NOP | TX257 | | |
| 03744 | 0074 | 00 | 4 | 06504 | | TSX | ERROR,4 | FALSE | XFER TO DIRECT ADR |
| 03745 | 0074 | 00 | 4 | 06511 | TX257 | TSX | OK,4 | | |
| 03746 | 0020 | 00 | 0 | 03730 | | TRA | F8 | | |
| | | | | | | | | | |
| 03747 | 0761 | 00 | 0 | 00000 | | NOP | | | |
| 03750 | 0442 | 60 | 0 | 04301 | F9 | OSI* | K0+7 | L -377777777777 | IN INDS |
| 03751 | 0446 | 60 | 0 | 04301 | | ONT* | K0+7 | SHOULD | SKIP |
| 03752 | 0020 | 00 | 0 | 03761 | | TRA | F9A | | |
| 03753 | 0440 | 60 | 0 | 04301 | | IIS* | K0+7 | | |
| 03754 | 0604 | 60 | 0 | 04277 | | STI* | K0+5 | | |
| 03755 | 0441 | 60 | 0 | 04277 | | LDI* | K0+5 | L +0 | IN INDS |
| 03756 | 0444 | 60 | 0 | 04301 | | OFT* | K0+7 | SHOULD | SKIP |
| 03757 | 0020 | 00 | 0 | 03764 | | TRA | F9B | | |
| 03760 | 0020 | 00 | 0 | 03765 | | TRA | TX258 | | |
| 03761 | 0074 | 00 | 4 | 06503 | F9A | TSX | ERROR-1,4 | FAILED | TO IA CORRECTLY |
| 03762 | 0020 | 00 | 0 | 03750 | | TRA | F9 | | |
| 03763 | 0020 | 00 | 0 | 03770 | | TRA | F10 | | |
| 03764 | 0074 | 00 | 4 | 06504 | F9B | TSX | ERROR,4 | FAILED | TO IA CORRECTLY |

| | | | | | | | | |
|-------|------|----|---|-------|-------|--------------|------------------------|-------|
| 03765 | 0074 | 00 | 4 | 06511 | TX258 | TSX OK, 4 | | |
| 03766 | 0020 | 00 | 0 | 03750 | | TRA F9 | | |
| 03767 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 03770 | 0445 | 60 | 0 | 04301 | F10 | RIS* K0+7 | L +0 IN INDS -- | K21+6 |
| 03771 | 0446 | 60 | 0 | 04301 | | ONT* K0+7 | SHOULD NOT SKIP | |
| 03772 | 0020 | 00 | 0 | 03774 | | TRA TX259 | | |
| 03773 | 0074 | 00 | 4 | 06504 | | TSX ERROR, 4 | FAILED TO IA CORRECTLY | |
| 03774 | 0074 | 00 | 4 | 06511 | TX259 | TSX OK, 4 | | |
| 03775 | 0020 | 00 | 0 | 03770 | | TRA F10 | | |

| | | | | | | | | |
|-------|-------|----|---|-------|-------|----------------|------------------------|-------|
| 03776 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 03777 | 0500 | 60 | 0 | 04312 | F11 | CLA* K2+2 | L +0 -- | K20+2 |
| 04000 | 0601 | 60 | 0 | 04277 | | STO* K0+5 | T1 EFF | |
| 04001 | 0520 | 60 | 0 | 04277 | | ZET* K0+5 | SHOULD SKIP | |
| 04002 | 0020 | 00 | 0 | 04010 | | TRA F11A | | |
| 04003 | -0520 | 60 | 0 | 04277 | | NZT* K0+5 | SHOULD NOT SKIP | |
| 04004 | 0020 | 00 | 0 | 04011 | | TRA TX260 | | |
| 04005 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1, 4 | FAILED TO IA CORRECTLY | |
| 04006 | 0020 | 00 | 0 | 03777 | | TRA F11 | | |
| 04007 | 0020 | 00 | 0 | 04014 | | TRA H1 | | |
| 04010 | 0074 | 00 | 4 | 06504 | F11A | TSX ERROR, 4 | FAILED TO IA CORRECTLY | |
| 04011 | 0074 | 00 | 4 | 06511 | TX260 | TSX OK, 4 | | |
| 04012 | 0020 | 00 | 0 | 03777 | | TRA F11 | | |

TEST-INDIRECT
 ADDRESSING WITH
 INDEXABLE TRANSFERS
 AND INSTRUCTIONS

| | | | | | | | | |
|-------|------|----|---|-------|-------|--------------|--------------------|-------|
| 04013 | 0761 | 00 | 0 | 00000 | | NOP | | |
| 04014 | 0534 | 00 | 1 | 04417 | H1 | LXA K26, 1 | L +5 IN XRA | |
| 04015 | 0534 | 00 | 2 | 04420 | | LXA K26+1, 2 | L +10 IN XRB | |
| 04016 | 0500 | 60 | 1 | 04310 | | CLA* K2, 1 | L -200700000000 -- | K22+2 |
| 04017 | 0402 | 60 | 2 | 04313 | | SUB* K3, 2 | L -200700000000 -- | K22+2 |
| 04020 | 0100 | 00 | 0 | 04022 | | TZE TX280 | | |
| 04021 | 0074 | 00 | 4 | 06504 | | TSX ERROR, 4 | | |
| 04022 | 0074 | 00 | 4 | 06511 | TX280 | TSX OK, 4 | | |
| 04023 | 0020 | 00 | 0 | 04014 | | TRA H1 | | |

| | | | | | | | | |
|-------|--------------|----|---|-------|-----|----------------|-----------------------|--|
| 04024 | 635121606060 | | | | | BCD 1TRA | TEST INSTRUCTION | |
| 04025 | 0534 | 00 | 4 | 04421 | H2 | LXA K26+2, 4 | L +2 IN XRC | |
| 04026 | 0020 | 60 | 4 | 04034 | | TRA* H2A, 4 | | |
| 04027 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1, 4 | FAILED TO XFER | |
| 04030 | 0020 | 00 | 0 | 04025 | | TRA H2 | | |
| 04031 | 0020 | 00 | 0 | 04047 | | TRA H3 | | |
| 04032 | 0761 | 00 | 0 | 04044 | | NOP TX281 | | |
| 04033 | 0020 | 00 | 0 | 04043 | | TRA H2C | | |
| 04034 | 0761 | 00 | 0 | 04040 | H2A | NOP H2B | | |
| 04035 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1, 4 | FAILED TO INDEX OR IA | |
| 04036 | 0020 | 00 | 0 | 04025 | | TRA H2 | | |
| 04037 | 0020 | 00 | 0 | 04047 | | TRA H3 | | |

| | | | | | | | |
|-------|--------------|----|---|-------|-------|---------------|--------------------------|
| 04040 | 0074 | 00 | 4 | 06503 | H2B | TSX ERROR-1,4 | FAILED TO INDEX |
| 04041 | 0020 | 00 | 0 | 04025 | | TRA H2 | |
| 04042 | 0020 | 00 | 0 | 04047 | | TRA H3 | |
| 04043 | 0074 | 00 | 4 | 06504 | H2C | TSX ERROR,4 | INDEXED, FAILED TO IA |
| 04044 | 0074 | 00 | 4 | 06511 | TX281 | TSX OK,4 | |
| 04045 | 0020 | 00 | 0 | 04025 | | TRA H2 | |
| | | | | | | | |
| 04046 | 637125606060 | | | | | BCD 1TZE | TEST INSTRUCTION |
| 04047 | 0534 | 00 | 1 | 04422 | H3 | LXA K26+3,1 | L +4 IN XRA |
| 04050 | 0502 | 60 | 1 | 04326 | | CLS* K5,1 | L +201400000000 -- K22+1 |
| 04051 | 0400 | 00 | 0 | 04354 | | ADD K22+1 | L +201400000000 |
| 04052 | 0100 | 60 | 1 | 04062 | | TZE* H3A,1 | |
| 04053 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 04054 | 0020 | 00 | 0 | 04047 | | TRA H3 | |
| 04055 | 0020 | 00 | 0 | 04072 | | TRA H4 | |
| 04056 | 0761 | 00 | 0 | 04067 | | NOP TX282 | |
| 04057 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | INDEXED, FAILED TO IA |
| 04060 | 0020 | 00 | 0 | 04047 | | TRA H3 | |
| 04061 | 0020 | 00 | 0 | 04072 | | TRA H4 | |
| 04062 | 0761 | 00 | 0 | 04066 | H3A | NOP H3B | |
| 04063 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO INDEX OR IA |
| 04064 | 0020 | 00 | 0 | 04047 | | TRA H3 | |
| 04065 | 0020 | 00 | 0 | 04072 | | TRA H4 | |
| 04066 | 0074 | 00 | 4 | 06504 | H3B | TSX ERROR,4 | FAILED TO INDEX |
| 04067 | 0074 | 00 | 4 | 06511 | TX282 | TSX OK,4 | |
| 04070 | 0020 | 00 | 0 | 04047 | | TRA H3 | |
| | | | | | | | |
| 04071 | 634743606060 | | | | | BCD 1TPL | TEST INSTRUCTION |
| 04072 | 0534 | 00 | 2 | 04422 | H4 | LXA K26+3,2 | L +4 IN XRB |
| 04073 | 0500 | 00 | 0 | 04327 | | CLA K20 | L +00444 |
| 04074 | 0120 | 60 | 2 | 04104 | | TPL* H4A,2 | |
| 04075 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 04076 | 0020 | 00 | 0 | 04072 | | TRA H4 | |
| 04077 | 0020 | 00 | 0 | 04114 | | TRA H5 | |
| 04100 | 0761 | 00 | 0 | 04111 | | NOP TX283 | |
| 04101 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | INDEXED, FAILED TO IA |
| 04102 | 0020 | 00 | 0 | 04072 | | TRA H4 | |
| 04103 | 0020 | 00 | 0 | 04114 | | TRA H5 | |
| 04104 | 0761 | 00 | 0 | 04110 | H4A | NOP H4B | |
| 04105 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO INDEX OR IA |
| 04106 | 0020 | 00 | 0 | 04072 | | TRA H4 | |
| 04107 | 0020 | 00 | 0 | 04114 | | TRA H5 | |
| 04110 | 0074 | 00 | 4 | 06504 | H4B | TSX ERROR,4 | FAILED TO INDEX |
| 04111 | 0074 | 00 | 4 | 06511 | TX283 | TSX OK,4 | |
| 04112 | 0020 | 00 | 0 | 04072 | | TRA H4 | |
| | | | | | | | |
| 04113 | 0761 | 00 | 0 | 00000 | | NOP | |
| 04114 | 0534 | 00 | 1 | 04417 | H5 | LXA K26,1 | L +5 IN XRA |
| 04115 | 0534 | 00 | 2 | 04420 | | LXA K26+1,2 | L +10 IN XRB |
| 04116 | 0500 | 60 | 1 | 04333 | | CLA* K20+4,1 | L +233000000000 -- K23+3 |
| 04117 | 0402 | 00 | 0 | 04371 | | SUB K23+3 | L +233000000000 |
| 04120 | 0100 | 00 | 0 | 04122 | | TZE TX284 | |
| 04121 | 0074 | 00 | 4 | 06504 | | TSX ERROR,4 | FAILED TO IA CORRECTLY |

| | | | | | | | |
|-------|------|----|---|-------|-------|---------------|--------------------------|
| 04122 | 0074 | 00 | 4 | 06511 | TX284 | TSX OK, 4 | |
| 04123 | 0020 | 00 | 0 | 04114 | | TRA H5 | |
| 04124 | 0761 | 00 | 0 | 00000 | | NOP | |
| 04125 | 0534 | 00 | 1 | 04417 | H6 | LXA K26,1 | L +5 IN XRA |
| 04126 | 0534 | 00 | 2 | 04421 | | LXA K26+2,2 | L +2 IN XRB |
| 04127 | 0534 | 00 | 4 | 04420 | | LXA K26+1,4 | L +10 IN XRC |
| 04130 | 0502 | 60 | 2 | 04427 | | CLS* K27+2,2 | L -200700000000 -- K22+2 |
| 04131 | 0400 | 60 | 1 | 04433 | | ADD* K27+6,1 | L -200700000000 -- K22+2 |
| 04132 | 0100 | 60 | 1 | 04143 | | TZE* H6A,1 | |
| 04133 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 04134 | 0020 | 00 | 0 | 04125 | | TRA H6 | |
| 04135 | 0020 | 00 | 0 | 04153 | | TRA J1 | |
| 04136 | 0761 | 00 | 0 | 04150 | | NOP TX285 | |
| 04137 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | INDEX, FAILED TO IA |
| 04140 | 0020 | 00 | 0 | 04125 | | TRA H6 | |
| 04141 | 0020 | 00 | 0 | 04153 | | TRA J1 | |
| 04142 | 0761 | 00 | 0 | 00000 | | NOP | |
| 04143 | 0761 | 00 | 0 | 04147 | H6A | NOP H6B | |
| 04144 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO INDEX OR IA |
| 04145 | 0020 | 00 | 0 | 04125 | | TRA H6 | |
| 04146 | 0020 | 00 | 0 | 04153 | | TRA J1 | |
| 04147 | 0074 | 00 | 4 | 06504 | H6B | TSX ERROR, 4 | FAILED TO INDEX |
| 04150 | 0074 | 00 | 4 | 06511 | TX285 | TSX OK, 4 | |
| 04151 | 0020 | 00 | 0 | 04125 | | TRA H6 | |

TEST-INDIRECT ADDRESSING
WITH NONINDEXABLE
INSTRUCTIONS

| | | | | | | | |
|-------|--------------|-------|---|-------|-------|---------------|----------------------------|
| 04152 | 634567606060 | | | | | BCD 1TNX | TEST INSTRUCTION |
| 04153 | 0534 | 00 | 1 | 04421 | J1 | LXA K26+2,1 | L +2 IN XRA |
| 04154 | -2 | 00060 | 1 | 04160 | | TNX* J1A,1 | SHOULD XFER |
| 04155 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 04156 | 0020 | 00 | 0 | 04153 | | TRA J1 | |
| 04157 | 0020 | 00 | 0 | 04166 | | TRA J2 | |
| 04160 | 0761 | 00 | 0 | 04162 | J1A | NOP J1B | |
| 04161 | 0020 | 00 | 0 | 04163 | | TRA TX300 | |
| 04162 | 0074 | 00 | 4 | 06504 | J1B | TSX ERROR, 4 | FALSE XFER TO INDIRECT ADR |
| 04163 | 0074 | 00 | 4 | 06511 | TX300 | TSX OK, 4 | |
| 04164 | 0020 | 00 | 0 | 04153 | | TRA J1 | |

| | | | | | | | |
|-------|--------------|-------|---|-------|-------|---------------|----------------------------|
| 04165 | 636730606060 | | | | | BCD 1TXH | TEST INSTRUCTION |
| 04166 | 0534 | 00 | 1 | 04346 | J2 | LXA K21+5,1 | L +777777 IN XRA |
| 04167 | 3 | 00060 | 1 | 04173 | | TXH* J2A,1 | SHOULD XFER |
| 04170 | 0074 | 00 | 4 | 06503 | | TSX ERROR-1,4 | FAILED TO XFER |
| 04171 | 0020 | 00 | 0 | 04166 | | TRA J2 | |
| 04172 | 0020 | 00 | 0 | 04201 | | TRA J3 | |
| 04173 | 0761 | 00 | 0 | 04175 | J2A | NOP J2B | |
| 04174 | 0020 | 00 | 0 | 04176 | | TRA TX301 | |
| 04175 | 0074 | 00 | 4 | 06504 | J2B | TSX ERROR, 4 | FALSE XFER TO INDIRECT ADR |
| 04176 | 0074 | 00 | 4 | 06511 | TX301 | TSX OK, 4 | |

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04177 0020 00 0 04166          TRA J2

04200 636731606060          BCD 1TXI      TEST INSTRUCTION
04201 0534 00 1 04416      J3  LXK K25+5,1  L +00777 IN XRA
04202 1 00061 1 04206          TXI* J3A,1,1  SHOULD XFER
04203 0074 00 4 06503          TSX ERROR-1,4 FAILED TO XFER
04204 0020 00 0 04201          TRA J3
04205 0020 00 0 04223          TRA J4
04206 0761 00 0 04217      J3A  NOP J3C
04207 0754 00 1 00000          PXA 0,1
04210 0402 00 0 04416          SUB K25+5      L +00777
04211 0100 00 0 04214          TZE J3B
04212 0402 00 0 04423          SUB K26+4      L +61 OCT
04213 0100 00 0 04220          TZE TX302
04214 0074 00 4 06503      J3B  TSX ERROR-1,4 FAILED TO INCREMENT
                                INDEX CORRECTLY

04215 0020 00 0 04201          TRA J3
04216 0020 00 0 04223          TRA J4
04217 0074 00 4 06504      J3C  TSX ERROR,4  FALSE XFER TO INDIRECT ADR
04220 0074 00 4 06511      TX302 TSX OK,4
04221 0020 00 0 04201          TRA J3

04222 636743606060          BCD 1TXL      TEST INSTRUCTION
04223 0534 00 1 04421      J4  LXK K26+2,1  L +2 IN XRA
04224 -3 00063 1 04230          TXL* J4A,1,3  SHOULD XFER
04225 0074 00 4 06503          TSX ERROR-1,4 FAILED TO XFER
04226 0020 00 0 04223          TRA J4
04227 0020 00 0 04236          TRA J5
04230 0761 00 0 04232      J4A  NOP J4B
04231 0020 00 0 04233          TRA TX303
04232 0074 00 4 06504      J4B  TSX ERROR,4
04233 0074 00 4 06511      TX303 TSX OK,4
04234 0020 00 0 04223          TRA J4

04235 636267606060          BCD 1TSX      TEST INSTRUCTION
04236 0600 00 0 04441      J5  STZ T1      RESET T1
04237 -0625 00 0 04441          STL T1
04240 0074 60 1 04244          TSX* J5A,1    SHOULD XFER TO DIRECT ADR
04241 0074 00 4 06503          TSX ERROR-1,4 FAILED TO XFER
04242 0020 00 0 04236          TRA J5
04243 0020 00 0 04262          TRA FIN
04244 0761 00 0 04256      J5A  NOP J5B
04245 0500 00 0 04441          CLA T1
04246 0737 00 2 00000          PAC 0,2      PLACE ADR PART ACC IN XRB
04247 0634 00 1 04441          SXA T1,1     SAVE XRA IN T1
04250 0754 00 2 00000          PXA 0,2      PLACE XRB IN ACC
04251 0402 00 0 04441          SUB T1
04252 0100 00 0 04257          TZE TX304    SHOULD XFER
04253 0074 00 4 06503          TSX ERROR-1,4 FAILED TO SET INDEX
04254 0020 00 0 04236          TRA J5
04255 0020 00 0 04262          TRA FIN
04256 0074 00 4 06504      J5B  TSX ERROR,4  FALSE XFER TO INDIRECT ADR
04257 0074 00 4 06511      TX304 TSX OK,4
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04260 0020 00 0 04236      TRA J5

04261 0761 00 0 00000      NOP
04262 0760 00 0 00166      FIN  PSE 118      IF UP, READ IN NEXT PROG
04263 0020 00 0 04265      TRA  *+2
04264 0020 00 0 00034      TRA  A1A      TO REPEAT PROGRAM
04265 0762 00 0 01321      RCDA      SELECT CARD READER
04266 0540 00 0 04271      RCHA FINX    READ IN
04267 0544 00 0 00000      LCHA 0      NEXT
04270 0020 00 0 00001      TRA  1      PROGRAM

04271 -1 00003 0 00000      FINX  MON 0,0,3

04272 0761 00 0 04327      K0  NOP K20      EFFECTIVE ADDRESSES
04273 0761 00 0 04330      NOP K20+1
04274 0761 00 0 04333      NOP K20+4
04275 0761 00 0 04335      NOP K20+6
04276 0761 00 0 04337      NOP K20+8
04277 0761 00 0 04441      NOP T1
04300 0761 00 0 04442      NOP T1+1
04301 0761 00 0 04347      NOP K21+6
04302 0761 00 0 04351      NOP K21+8

04303 0761 00 0 04355      K1  NOP K22+2
04304 0761 00 0 04361      NOP K22+6
04305 0761 00 0 04357      NOP K22+4
04306 0761 00 0 04370      NOP K23+2
04307 0761 00 0 04373      NOP K23+5

04310 0761 00 0 04400      K2  NOP K24+1
04311 0761 00 0 04342      NOP K21+1
04312 0761 00 0 04331      NOP K20+2

04313 0761 00 0 04371      K3  NOP K23+3
04314 0761 00 0 04367      NOP K23+1
04315 0761 00 0 04372      NOP K23+4
04316 0761 00 0 04374      NOP K23+6
04317 0761 00 0 04377      NOP K24
04320 0761 00 0 04402      NOP K24+3
04321 0761 00 0 04401      NOP K24+2

04322 0761 00 0 04354      K4  NOP K22+1
04323 0761 00 0 04404      NOP K24+5
04324 0761 00 0 04411      NOP K25
04325 0761 00 0 04414      NOP K25+3

04326 0761 00 2 04401      K5  NOP K24+2,2

04327 +0000000000444      K20  OCT +00444      CONSTANTS
04330 +0000000000555      OCT +00555
04331 +0000000000000      OCT 0000000000000

```

| | | | |
|-------|---------------|-----|---------------|
| 04332 | +000000111111 | OCT | +111111 |
| 04333 | -000000222222 | OCT | -222222 |
| 04334 | +000000333333 | OCT | +333333 |
| 04335 | +000000000050 | OCT | +50 |
| 04336 | +000000003100 | OCT | +3100 |
| 04337 | +200000000000 | OCT | +200000000000 |
| 04340 | +266777000000 | OCT | 266777000000 |

| | | | | |
|-------|---------------|-----|-----|---------------|
| 04341 | +000000777777 | K21 | OCT | 000000777777 |
| 04342 | +377777777777 | | OCT | 377777777777 |
| 04343 | +340000000000 | | OCT | +340000000000 |
| 04344 | +300000000000 | | OCT | +300000000000 |
| 04345 | +077777000000 | | OCT | 077777000000 |
| 04346 | +000000077777 | | OCT | 000000077777 |
| 04347 | -377777777777 | | OCT | -377777777777 |
| 04350 | +377000000000 | | OCT | +377000000000 |
| 04351 | -200000000000 | | OCT | -200000000000 |
| 04352 | +177000000001 | | OCT | +177000000001 |

| | | | | |
|-------|---------------|-----|-----|---------------|
| 04353 | -200000000000 | K22 | OCT | +600000000000 |
| 04354 | +201400000000 | | OCT | +201400000000 |
| 04355 | -200700000000 | | OCT | -200700000000 |
| 04356 | +176400000000 | | OCT | +176400000000 |
| 04357 | +201040000000 | | OCT | +201040000000 |
| 04360 | +204600000000 | | OCT | +204600000000 |
| 04361 | +201400000000 | | OCT | +201400000000 |
| 04362 | +204540000000 | | OCT | +204540000000 |
| 04363 | -201040000000 | | OCT | -201040000000 |
| 04364 | +200400000000 | | OCT | +200400000000 |
| 04365 | +177777777777 | | OCT | +177777777777 |

| | | | | |
|-------|---------------|-----|-----|---------------|
| 04366 | +201000000000 | K23 | OCT | +201000000000 |
| 04367 | +211000000001 | | OCT | 211000000001 |
| 04370 | +222000000001 | | OCT | 222000000001 |
| 04371 | +233000000000 | | OCT | 233000000000 |
| 04372 | +200777770000 | | OCT | 200777770000 |
| 04373 | +200333330000 | | OCT | 200333330000 |
| 04374 | +177666651111 | | OCT | 177666651111 |
| 04375 | +100000000000 | | OCT | +100000000000 |
| 04376 | +000077777777 | | OCT | 000077777777 |

| | | | | |
|-------|---------------|-----|-----|---------------|
| 04377 | +200070707070 | K24 | OCT | 200070707070 |
| 04400 | +200707070707 | | OCT | 200707070707 |
| 04401 | +000007070707 | | OCT | 000007070707 |
| 04402 | +000777777777 | | OCT | 000777777777 |
| 04403 | +202770000000 | | OCT | 202770000000 |
| 04404 | +201340000000 | | OCT | 201340000000 |
| 04405 | +201740000000 | | OCT | 201740000000 |
| 04406 | +377740000000 | | OCT | 377740000000 |
| 04407 | +376400000000 | | OCT | 376400000000 |
| 04410 | -201340000000 | | OCT | -201340000000 |

| | | | | |
|-------|---------------|-----|-----|--------------|
| 04411 | +201500000000 | K25 | OCT | 201500000000 |
| 04412 | +002000000032 | | OCT | 002000000032 |
| 04413 | +000000000000 | | OCT | |
| 04414 | +201340000000 | | OCT | 201340000000 |

| | | | | | |
|-------|------------------|-------|-----|--------------|-------------------|
| 04415 | +000400000000 | | OCT | 000400000000 | |
| 04416 | +000000000777 | | OCT | 000000000777 | |
| 04417 | +000000000005 | K26 | OCT | +5 | +5 |
| 04420 | +000000000010 | | OCT | +10 | +10 |
| 04421 | +000000000002 | | OCT | +2 | +2 |
| 04422 | +000000000004 | | OCT | +4 | +4 |
| 04423 | +000000000061 | | OCT | +61 | |
| 04424 | +000000000001 | | OCT | +1 | |
| 04425 | 0761 00 1 04362 | K27 | NOP | K22+7,1 | |
| 04426 | 0761 00 4 04365 | | NOP | K22+10,4 | |
| 04427 | 0500 00 0 00000 | K28 | CLA | 0 | |
| 04430 | 0400 00 0 04440 | | ADD | K28+9 | |
| 04431 | 0621 00 0 00005 | | STA | 5 | |
| 04432 | -0760 00 0 00007 | | LTM | | |
| 04433 | 0020 00 0 00000 | | TRA | 0 | |
| 04434 | 0621 00 0 00004 | | STA | 4 | |
| 04435 | 0020 00 0 00001 | | TRA | 1 | |
| 04436 | 0400 00 0 04437 | | ADD | K28+8 | |
| 04437 | +000000000017 | | OCT | 17 | |
| 04440 | +000000000012 | | OCT | 12 | |
| 04441 | +000000000000 | T1 | OCT | +0 | TEMPORARY STORAGE |
| 04442 | +000000000000 | | OCT | +0 | |
| 04443 | 0761 00 0 04441 | | NOP | T1 | |
| 04444 | 0761 00 0 04442 | | NOP | T1+1 | |
| | 06504 | ERROR | EQU | 3396 | |
| | 06511 | OK | EQU | 3401 | |
| | 00000 | | END | | |

EOF*