TEST

TEST 6 COMPARE
MD-11-DOF-A

EP-DOF-A-DL-A
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NOV 1976
digital
MADE IN USA

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IDENTIFICATION

PRODUCT CODE:	MAINDEC-11-DDAA TO DDLA-D
PRODUCT NAME:	FIRST LEVEL 1-12
DATE CREATED:	17 MARCH 1970
MAINTAINER:	DIAGNOSTIC GROUP
AUTHOR:	JOHN HITTELL

THIS GROUP OF TESTS CONSIST OF:

PROCESSOR TEST		MAINDEC
TEST	1 BRANCH	11-DDAA
	2 CON BRANCH	11-DDBA
	3 UNARY	11-DDCA
	4 UNARY AND BINARYS	11-DDDA
	5 ROTATE/SHIFT	11-DDEA
	6 COMPARE	11-DDFA
	7 COMPARE NOT	11-DDGA
	8 MOVE	11-DDHA
	9 BIS,BIC AND BIT	11-DDIA
	10 ADD	11-DDJA
	11 SUBTRACT	11-DDKA
	12 JMP	11-DDLA

1. ABSTRACT

THIS IS A GROUP OF 12 TESTS THAT INCREMENTALLY TEST AND ISOLATE SIMPLE MALFUNCTIONS OF THE PDP 11. THE TESTS SHOULD BE RUN IN THE INDICATED NUMERICAL SEQUENCE. THE SEQUENCE IS 1. BRANCH 2. CONDITIONAL BRANCH 3. UNARY 4. UNARY AND BINARYS 5. ROTATE/SHIFT 6. COMPARE (EQUALITY) 7. COMPARE (NON EQUALITY) 8. MOVE 9. BIT SET, CLEAR AND TEST 10. ADD 11. SUBTRACT 12. JUMP

THERE IS A SECOND GROUP OF TESTS FOR MORE COMPLEX MALFUNCTIONS.

2. REQUIREMENTS

2.1 EQUIPMENT

PDP-11/20 STANDARD COMPUTER

2.2 STORAGE

2.2.1 PROGRAM STORAGE - THE PROGRAMS USE ALL OF A 4KW MEMORY WITH THE EXCEPTION OF 17500 TO 17776 (WHICH IS RESERVED FOR THE BOOT AND ABSOLUTE LOADER).

3. LOADING PROCEDURE

3.1 METHOD

PROCEDURE FOR NORMAL ABSOLUTE TAPES SHOULD BE FOLLOWED.

4. STARTING PROCEDURE

4.1 CONTROL SWITCH SETTING

ALL PROGRAMS START AT ADDRESS 200.

4.2 STARTING ADDRESS OR ADDRESSES

(A) 200 = START AND RESTART ADDRESS

4.3 PROGRAM AND/OR OPERATOR ACTION

LOAD PROGRAM INTO MEMORY. (BOTTOM 4K)
SET SWITCH REGISTER TO STARTING ADDRESS. (200)
LOAD ADDRESS.
PRESS START.
THE PROGRAM WILL LOOP, AND RING A BELL AFTER A FIXED NUMBER OF ITERATIONS.

5. OPERATING PROCEDURE

5.1 OPERATIONAL SWITCH SETTINGS

5.1.1 NO SWITCHES ARE USED

5.1.3

5.2 SUBROUTINE ABSTRACTS

5.2.1 BEGIN SA 200

5.2.2 SCOPE

IS A "NOP" THAT IS PLACED BETWEEN EACH SUBTEST IN THE INSTRUCTION SECTION. IF A SCOPE LOOP IS NEEDED, INSERT A BRANCH TO THE PREVIOUS SCOPE LOCATION AT THE CURRENT SCOPE LOCATION. (NOTE NOP=240)

5.2.3 HLT

INDICATES THE UNIQUE ADDRESS THAT TAGS THE FAILING SUBTEST. THE INCORRECT DATA AT THE TIME OF THE FAILURE MAY OR MAY NOT BE DISPLAYED IN REGISTER ZERO, WHICH IS THE DATA REGISTER ON A HALT.

5.3 PROGRAM AND/OR OPERATOR ACTION

5.3.1 LOADING AND STARTING AT 200 STARTS THE TEST. IF AN ERROR IS DETECTED, THERE WILL BE A HALT. WHEN A HALT OCCURS AND IT IS NECESSARY TO SCOPE ON IT, PLACE INSERT A BRANCH INSTRUCTION IN THE SCOPE LOCATION FOLLOWING THE HALT. THE BRANCH INSTRUCTION SHOULD BRANCH YOU TO THE PREVIOUS SCOPE LOCATION.

6. ERRORS

6.1 ALL ERRORS WILL CAUSE A HALT.

6.2 ERROR RECOVERY

ON TRAP ERRORS - RESTART AT 200.
DEPRESS CONTINUE TO CONTINUE TEST

7. RESTRICTIONS

7.1 STARTING RESTRICTION

NONE

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                                7.2  OPERATIONAL RESTRICTION
                                     NONE
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8. MISCELLANEOUS

IF A HALT OCCURES IN THE TRAP OR INTERRUPT VECTOR AREA,
REGISTER SIX SHOULD BE EXAMINED TO DETERMINE ITS CONTENTS,
THEN USE REGISTER SIX CONTENTS AS AN ADDRESS TO DETERMINE
THE LOCATION THE PROGRAM WAS AT, WHEN THE INTERRUPT OR
TRAP OCCURRED. (MEMORY AS SPECIFIED BY R6 CONTAINS THE PC OF THE
INSTRUCTION FOLLOWING THE INSTRUCTION WHERE THE TRAP OCCURED)

8.1 EXECUTION TIME

TIME BETWEEN BELLS

FOR TAPE 1 5   MINUTES
FOR TAPE 2 2.5 MINUTES
FOR TAPE 3 3   MINUTES
FOR TAPE 4 6   MINUTES
FOR TAPE 5 5   MINUTES
FOR TAPE 6 6   MINUTES
FOR TAPE 7 5   MINUTES
FOR TAPE 8 6   MINUTES
FOR TAPE 9 3   MINUTES
FOR TAPE 10 4   MINUTES
FOR TAPE 11 2   MINUTES
FOR TAPE 12 4   MINUTES

9. PROGRAM DESCRIPTION

TEST 1 THIS IS A TEST OF THE UNCONDITIONAL BRANCH
INSTRUCTION, IT PROVES THAT A LONG PROGRAM
CAN BE LOADED AND THE INSTRUCTIONS CAN BE
EXECUTED THROUGHOUT MEMORY.

TEST 2 THIS IS A CONDITIONAL BRANCH TEST USING ALL
OF THE CONDITIONAL BRANCH INSTRUCTIONS. IT
TESTS THAT ALL COMBINATIONS OF CONDITION CODES
ARE RESPONDED TO CORRECTLY. (THE CONDITION
CODES ARE MANIPULATED WITH THE MICRO-PROGRAM
OPERATIONS.)

TEST 3 THIS IS A TEST OF THE UNARY INSTRUCTIONS AND
THEIR EFFECTS UPON THE CONDITION CODES ONLY.
MOSTLY REGISTER OPERATIONS.

TEST 4 THIS IS A COMBINED USE OF UNARY AND BINARY
INSTRUCTIONS TESTING THE RESULTS AND THE
CONDITION CODES.

TEST 5 THIS TEST ROTATE AND SHIFT INSTRUCTION, BOTH
THE REGISTERS AND MEMORY LOCATIONS, WORD AND
BYTE, ARE TESTED.

TEST 6 THIS IS A TEST OF THE COMPARE INSTRUCTIONS FOR

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220
221
222
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EQUALITY. ALL CONDITIONAL BRANCHES THAT WILL
BRANCH ON ANY FORM OF EQUALITY ARE ALSO TESTED.
BOTH WORD AND BYTE OPERATIONS ARE USED.

(9 CONT'D)

TEST 7 COMPARE NOT. THIS IS A TEST OF THE COMPARE INSTRUCTIONS WHERE NO VALUES ARE EQUAL. HERE BRANCHES FOR NOT EQUAL, GREATER THAN AND LESS THAN, ETC., ARE TESTED.

TEST 8 CHECKS THE MOVE INSTRUCTION BOTH TO MEMORY AND REGISTERS.

TEST 9 CHECK THE BIS, BIC AND BIT INSTRUCTION BOTH TO MEMORY AND TO REGISTERS.

TEST 10 TESTS THE ADD INSTRUCTION.

TEST 11 TESTS THE SUBTRACT INSTRUCTION.

TEST 12 TEST OF THE JUMP INSTRUCTION IN MOST MODES.

NOTE THAT STACK OPERATION AND INSTRUCTIONS THAT USE THEM ARE NOT TESTED IN THIS GROUP OF TEST.

10. LISTING

11. FLOW CHART(S)

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                                        %
                                ;TEST6
                                ;TEST COMPARE .WORD AND .BYTE PDP11

            000200                      .=200
            000000                      HLT=HALT
            000240                      SCOPE=240


000200  000240                          SCOPE
000202  022727  000000  000000          CMP     #0,     #0      ;COMPARE #0 TO #0
000210  001401                          BEQ     .+4             ;BRANCH IF EQUAL
000212  000000                          HLT                     ;FAILED EQUALITY TEST
000214  002001                          BGE     .+4
000216  000000                          HLT                     ;BHISA FAILED
000220  003401                          BLE     .+4
000222  000000                          HLT                     ;BLOSA FAILED
000224  103001                          BHIS    .+4
000226  000000                          HLT                     ;BHIS FAILED
000230  101401                          BLOS    .+4
000232  000000                          HLT                     ;BHIS FAILED
000234  000240                          SCOPE
000236  022727  177777  177777          CMP     #177777,        #177777 ;COMPARE #177777 TO #177777
000244  001401                          BEQ     .+4             ;BRANCH IF EQUAL
000246  000000                          HLT                     ;FAILED EQUALITY TEST
000250  002001                          BGE     .+4
000252  000000                          HLT                     ;BHISA FAILED
000254  003401                          BLE     .+4
000256  000000                          HLT                     ;BLOSA FAILED
000260  103001                          BHIS    .+4
000262  000000                          HLT                     ;BHIS FAILED
000264  101401                          BLOS    .+4
000266  000000                          HLT                     ;BHIS FAILED
000270  000240                          SCOPE
000272  022727  052525  052525          CMP     #052525,        #052525 ;COMPARE #052525 TO #052525
000300  001401                          BEQ     .+4             ;BRANCH IF EQUAL
000302  000000                          HLT                     ;FAILED EQUALITY TEST
000304  002001                          BGE     .+4
000306  000000                          HLT                     ;BHISA FAILED
000310  003401                          BLE     .+4
000312  000000                          HLT                     ;BLOSA FAILED
000314  103001                          BHIS    .+4
000316  000000                          HLT                     ;BHIS FAILED
000320  101401                          BLOS    .+4
000322  000000                          HLT                     ;BHIS FAILED
000324  000240                          SCOPE
000326  022727  125252  125252          CMP     #125252,        #125252 ;COMPARE #125252 TO #125252
000334  001401                          BEQ     .+4             ;BRANCH IF EQUAL
000336  000000                          HLT                     ;FAILED EQUALITY TEST
000340  002001                          BGE     .+4
000342  000000                          HLT                     ;BHISA FAILED
000344  003401                          BLE     .+4
000346  000000                          HLT                     ;BLOSA FAILED
000350  103001                          BHIS    .+4
000352  000000                          HLT                     ;BHIS FAILED
000354  101401                          BLOS    .+4
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                                                HLT                             ;BHIS FAILED
                    000001                      N=1
                    000240                      SCOPE
                    022727  000001  000001      CMP     #1,     #1      ;COMPARE #1 TO #1
                    001401                      BEQ     .+4             ;BRANCH IF EQUAL
                    000000                      HLT                     ;FAILED EQUALITY TEST
                    002001                      BGE     .+4
                    000000                      HLT                     ;BHISA FAILED
                    003401                      BLE     .+4
                    000000                      HLT                     ;BLOSA FAILED
                    103001                      BHIS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    101401                      BLOS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    000002                      N=N+N
                    000240                      SCOPE
                    022727  000002  000002      CMP     #2,     #2      ;COMPARE #2 TO #2
                    001401                      BEQ     .+4             ;BRANCH IF EQUAL
                    000000                      HLT                     ;FAILED EQUALITY TEST
                    002001                      BGE     .+4
                    000000                      HLT                     ;BHISA FAILED
                    003401                      BLE     .+4
                    000000                      HLT                     ;BLOSA FAILED
                    103001                      BHIS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    101401                      BLOS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    000004                      N=N+N
                    000240                      SCOPE
                    022727  000004  000004      CMP     #4,     #4      ;COMPARE #4 TO #4
                    001401                      BEQ     .+4             ;BRANCH IF EQUAL
                    000000                      HLT                     ;FAILED EQUALITY TEST
                    002001                      BGE     .+4
                    000000                      HLT                     ;BHISA FAILED
                    003401                      BLE     .+4
                    000000                      HLT                     ;BLOSA FAILED
                    103001                      BHIS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    101401                      BLOS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    000010                      N=N+N
                    000240                      SCOPE
                    022727  000010  000010      CMP     #10,    #10     ;COMPARE #10 TO #10
                    001401                      BEQ     .+4             ;BRANCH IF EQUAL
                    000000                      HLT                     ;FAILED EQUALITY TEST
                    002001                      BGE     .+4
                    000000                      HLT                     ;BHISA FAILED
                    003401                      BLE     .+4
                    000000                      HLT                     ;BLOSA FAILED
                    103001                      BHIS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    101401                      BLOS    .+4
                    000000                      HLT                     ;BHIS FAILED
                    000020                      N=N+N
                    000240                      SCOPE
                    022727  000020  000020      CMP     #20,    #20     ;COMPARE #20 TO #20
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  364  000550  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  365  000552  000000                        HLT                     ;FAILED EQUALITY TEST
  366  000554  002001                        BGE     .+4
  367  000556  000000                        HLT                     ;BHISA FAILED
  368  000560  003401                        BLE     .+4
  369  000562  000000                        HLT                     ;BLOSA FAILED
  370  000564  103001                        BHIS    .+4
  371  000566  000000                        HLT                     ;BHIS FAILED
  372  000570  101401                        BLOS    .+4
  373  000572  000000                        HLT                     ;BHIS FAILED
  374          000040                        N=N+N
  375  000574  000240                        SCOPE
  376  000576  022727  000040  000040        CMP     #40,    #40     ;COMPARE #40 TO #40
  377  000604  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  378  000606  000000                        HLT                     ;FAILED EQUALITY TEST
  379  000610  002001                        BGE     .+4
  380  000612  000000                        HLT                     ;BHISA FAILED
  381  000614  003401                        BLE     .+4
  382  000616  000000                        HLT                     ;BLOSA FAILED
  383  000620  103001                        BHIS    .+4
  384  000622  000000                        HLT                     ;BHIS FAILED
  385  000624  101401                        BLOS    .+4
  386  000626  000000                        HLT                     ;BHIS FAILED
  387          000100                        N=N+N
  388  000630  000240                        SCOPE
  389  000632  022727  000100  000100        CMP     #100,   #100    ;COMPARE #100 TO #100
  390  000640  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  391  000642  000000                        HLT                     ;FAILED EQUALITY TEST
  392  000644  002001                        BGE     .+4
  393  000646  000000                        HLT                     ;BHISA FAILED
  394  000650  003401                        BLE     .+4
  395  000652  000000                        HLT                     ;BLOSA FAILED
  396  000654  103001                        BHIS    .+4
  397  000656  000000                        HLT                     ;BHIS FAILED
  398  000660  101401                        BLOS    .+4
  399  000662  000000                        HLT                     ;BHIS FAILED
  400          000200                        N=N+N
  401  000664  000240                        SCOPE
  402  000666  022727  000200  000200        CMP     #200,   #200    ;COMPARE #200 TO #200
  403  000674  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  404  000676  000000                        HLT                     ;FAILED EQUALITY TEST
  405  000700  002001                        BGE     .+4
  406  000702  000000                        HLT                     ;BHISA FAILED
  407  000704  003401                        BLE     .+4
  408  000706  000000                        HLT                     ;BLOSA FAILED
  409  000710  103001                        BHIS    .+4
  410  000712  000000                        HLT                     ;BHIS FAILED
  411  000714  101401                        BLOS    .+4
  412  000716  000000                        HLT                     ;BHIS FAILED
  413          000400                        N=N+N
  414  000720  000240                        SCOPE
  415  000722  022727  000400  000400        CMP     #400,   #400    ;COMPARE #400 TO #400
  416  000730  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  417  000732  000000                        HLT                     ;FAILED EQUALITY TEST
  418  000734  002001                        BGE     .+4
  419  000736  000000                        HLT                     ;BHISA FAILED
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   420  000740  003401                        BLE     .+4
   421  000742  000000                        HLT
                                              ;BLOSA FAILED
   422  000744  103001                        BHIS    .+4
   423  000746  000000                        HLT
                                              ;BHIS FAILED
   424  000750  101401                        BLOS    .+4
   425  000752  000000                        HLT
                                              ;BHIS FAILED
   426          001000                        N=N+N
   427  000754  000240                        SCOPE
   428  000756  022727  001000  001000        CMP     #1000,  #1000   ;COMPARE #1000 TO #1000
   429  000764  001401                        BEQ     .+4             ;BRANCH IF EQUAL
   430  000766  000000                        HLT                     ;FAILED EQUALITY TEST
   431  000770  002001                        BGE     .+4
   432  000772  000000                        HLT                     ;BHISA FAILED
   433  000774  003401                        BLE     .+4
   434  000776  000000                        HLT                     ;BLOSA FAILED
   435  001000  103001                        BHIS    .+4
   436  001002  000000                        HLT                     ;BHIS FAILED
   437  001004  101401                        BLOS    .+4
   438  001006  000000                        HLT                     ;BHIS FAILED
   439          002000                        N=N+N
   440  001010  000240                        SCOPE
   441  001012  022727  002000  002000        CMP     #2000,  #2000   ;COMPARE #2000 TO #2000
   442  001020  001401                        BEQ     .+4             ;BRANCH IF EQUAL
   443  001022  000000                        HLT                     ;FAILED EQUALITY TEST
   444  001024  002001                        BGE     .+4
   445  001026  000000                        HLT                     ;BHISA FAILED
   446  001030  003401                        BLE     .+4
   447  001032  000000                        HLT                     ;BLOSA FAILED
   448  001034  103001                        BHIS    .+4
   449  001036  000000                        HLT                     ;BHIS FAILED
   450  001040  101401                        BLOS    .+4
   451  001042  000000                        HLT                     ;BHIS FAILED
   452          004000                        N=N+N
   453  001044  000240                        SCOPE
   454  001046  022727  004000  004000        CMP     #4000,  #4000   ;COMPARE #4000 TO #4000
   455  001054  001401                        BEQ     .+4             ;BRANCH IF EQUAL
   456  001056  000000                        HLT                     ;FAILED EQUALITY TEST
   457  001060  002001                        BGE     .+4
   458  001062  000000                        HLT                     ;BHISA FAILED
   459  001064  003401                        BLE     .+4
   460  001066  000000                        HLT                     ;BLOSA FAILED
   461  001070  103001                        BHIS    .+4
   462  001072  000000                        HLT                     ;BHIS FAILED
   463  001074  101401                        BLOS    .+4
   464  001076  000000                        HLT                     ;BHIS FAILED
   465          010000                        N=N+N
   466  001100  000240                        SCOPE
   467  001102  022727  010000  010000        CMP     #10000, #10000  ;COMPARE #10000 TO #10000
   468  001110  001401                        BEQ     .+4             ;BRANCH IF EQUAL
   469  001112  000000                        HLT                     ;FAILED EQUALITY TEST
   470  001114  002001                        BGE     .+4
   471  001116  000000                        HLT                     ;BHISA FAILED
   472  001120  003401                        BLE     .+4
   473  001122  000000                        HLT                     ;BLOSA FAILED
   474  001124  103001                        BHIS    .+4
   475  001126  000000                        HLT                     ;BHIS FAILED
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                                                        BLOS    .+4
                                                        HLT                     ;?HIS FAILED
                                                        N=N+N
                                                        SCOPE
000000  020000  020000                                  CMP     #20000, #20000  ;COMPARE #20000 TO #20000
                                                        BEQ     .+4             ;BRANCH IF EQUAL
                                                        HLT                     ;FAILED EQUALITY TEST
                                                        BGE     .+4
                                                        HLT                     ;BHISA FAILED
                                                        BLE     .+4
                                                        HLT                     ;BLOSA FAILED
                                                        BHIS    .+4
                                                        HLT                     ;BHIS FAILED
                                                        BLOS    .+4
                                                        HLT                     ;BHIS FAILED
                                                        N=N+N
                                                        SCOPE
040000  040000                                          CMP     #40000, #40000  ;COMPARE #40000 TO #40000
                                                        BEQ     .+4             ;BRANCH IF EQUAL
                                                        HLT                     ;FAILED EQUALITY TEST
                                                        BGE     .+4
                                                        HLT                     ;BHISA FAILED
                                                        BLE     .+4
                                                        HLT                     ;BLOSA FAILED
                                                        BHIS    .+4
                                                        HLT                     ;BHIS FAILED
                                                        BLOS    .+4
                                                        HLT                     ;BHIS FAILED
                                                        N=N+N
                                                        SCOPE
100000  100000                                          CMP     #100000,        #100000 ;COMPARE #100000 TO #100000
                                                        BEQ     .+4             ;BRANCH IF EQUAL
                                                        HLT                     ;FAILED EQUALITY TEST
                                                        BGE     .+4
                                                        HLT                     ;BHISA FAILED
                                                        BLE     .+4
                                                        HLT                     ;BLOSA FAILED
                                                        BHIS    .+4
                                                        HLT                     ;BHIS FAILED
                                                        BLOS    .+4
                                                        HLT                     ;BHIS FAILED
                                                        N=N+N


177777  177777                                          CMPB    #177777,        #177777 ;COMPARE #177777 TO #177777
                                                        BEQ     .+4             ;BRANCH IF EQUAL
                                                        HLT                     ;FAILED EQUALITY TEST
                                                        BGE     .+4
                                                        HLT                     ;BHISA FAILED
                                                        BLE     .+4
                                                        HLT                     ;BLOSA FALIED
                                                        BHIS    .+4
                                                        HLT                     ;BHIS FAILED
                                                        BLOS    .+4
                                                        HLT                     ;BLOS FAILED
000000  000000                                          CMPB    #0,     #0      ;COMPARE #0 TO #0
```

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                                                BEQ     .+4             ;BRANCH IF EQUAL
                                                HLT                     ;FAILED EQUALITY TEST
                                                BGE     .+4
                                                HLT                     ;BHISA FAILED
                                                BLE     .+4
                                                HLT                     ;BLOSA FALIED
                                                BHIS    .+4
                                                HLT                     ;BHIS FAILED
                                                BLOS    .+4
                                                HLT                     ;BLOS FAILED
005252  005252                                  CMPB    #5252,  #5252   ;COMPARE #5252 TO #5252
                                                BEQ     .+4             ;BRANCH IF EQUAL
                                                HLT                     ;FAILED EQUALITY TEST
                                                BGE     .+4
                                                HLT                     ;BHISA FAILED
                                                BLE     .+4
                                                HLT                     ;BLOSA FALIED
                                                BHIS    .+4 .
                                                HLT                     ;BHIS FAILED
                                                BLOS    .+4
                                                HLT                     ;BLOS FAILED
002525  002525                                  CMPB    #2525,  #2525   ;COMPARE #2525 TO #2525
                                                BEQ     .+4             ;BRANCH IF EQUAL
                                                HLT                     ;FAILED EQUALITY TEST
                                                BGE     .+4
                                                HLT                     ;BHISA FAILED
                                                BLE     .+4
                                                HLT                     ;BLOSA FALIED
                                                BHIS    .+4
                                                HLT                     ;BHIS FAILED
                                                BLOS    .+4
                                                HLT                     ;BLOS FAILED

000000                                          N=0
000000  000000                                  CMPB    #0,     #0      ;COMPARE #0 TO #0
                                                BEQ     .+4             ;BRANCH IF EQUAL
                                                HLT                     ;FAILED EQUALITY TEST
                                                BGE     .+4
                                                HLT                     ;BHISA FAILED
                                                BLE     .+4
                                                HLT                     ;BLOSA FALIED
                                                BHIS    .+4
                                                HLT                     ;BHIS FAILED
                                                BLOS    .+4
                                                HLT                     ;BLOS FAILED
000001                                          N=N+1
000001  000001                                  CMPB    #1,     #1      ;COMPARE #1 TO #1
                                                BEQ     .+4             ;BRANCH IF EQUAL
                                                HLT                     ;FAILED EQUALITY TEST
                                                BGE     .+4
                                                HLT                     ;BHISA FAILED
                                                BLE     .+4
                                                HLT                     ;BLOSA FALIED
                                                BHIS    .+4
                                                HLT                     ;BHIS FAILED
                                                BLOS    .+4
```

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                                                HLT                             ;BLOS FAILED
                        000002                  N=N+1
001514  122727  000002  000002                CMPB    #2,     #2              ;COMPARE #2 TO #2
001522  001401                                BEQ     .+4                     ;BRANCH IF EQUAL
001524  000000                                HLT                             ;FAILED EQUALITY TEST
001526  002001                                BGE     .+4
001530  000000                                HLT                             ;BHISA FAILED
001532  003401                                BLE     .+4
001534  000000                                HLT                             ;BLOSA FALIED
001536  103001                                BHIS    .+4
001540  000000                                HLT                             ;BHIS FAILED
001542  101401                                BLOS    .+4
001544  000000                                HLT                             ;BLOS FAILED
        000003                                  N=N+1
001546  122727  000003  000003                CMPB    #3,     #3              ;COMPARE #3 TO #3
001554  001401                                BEQ     .+4                     ;BRANCH IF EQUAL
001556  000000                                HLT                             ;FAILED EQUALITY TEST
001560  002001                                BGE     .+4
001562  000000                                HLT                             ;BHISA FAILED
001564  003401                                BLE     .+4
001566  000000                                HLT                             ;BLOSA FALIED
001570  103001                                BHIS    .+4
001572  000000                                HLT                             ;BHIS FAILED
001574  101401                                BLOS    .+4
001576  000000                                HLT                             ;BLOS FAILED
        000004                                  N=N+1
001600  122727  000004  000004                CMPB    #4,     #4              ;COMPARE #4 TO #4
001606  001401                                BEQ     .+4                     ;BRANCH IF EQUAL
001610  000000                                HLT                             ;FAILED EQUALITY TEST
001612  002001                                BGE     .+4
001614  000000                                HLT                             ;BHISA FAILED
001616  003401                                BLE     .+4
001620  000000                                HLT                             ;BLOSA FALIED
001622  103001                                BHIS    .+4
001624  000000                                HLT                             ;BHIS FAILED
001626  101401                                BLOS    .+4
001630  000000                                HLT                             ;BLOS FAILED
        000005                                  N=N+1
001632  122727  000005  000005                CMPB    #5,     #5              ;COMPARE #5 TO #5
001640  001401                                BEQ     .+4                     ;BRANCH IF EQUAL
001642  000000                                HLT                             ;FAILED EQUALITY TEST
001644  002001                                BGE     .+4
001646  000000                                HLT                             ;BHISA FAILED
001650  003401                                BLE     .+4
001652  000000                                HLT                             ;BLOSA FALIED
001654  103001                                BHIS    .+4
001656  000000                                HLT                             ;BHIS FAILED
001660  101401                                BLOS    .+4
001662  000000                                HLT                             ;BLOS FAILED
        000006                                  N=N+1
001664  122727  000006  000006                CMPB    #6,     #6              ;COMPARE #6 TO #6
001672  001401                                BEQ     .+4                     ;BRANCH IF EQUAL
001674  000000                                HLT                             ;FAILED EQUALITY TEST
001676  002001                                BGE     .+4
001700  000000                                HLT                             ;BHISA FAILED
001702  003401                                BLE     .+4
```

```
  644  001704  000000                        HLT                     ;BLOSA FALIED
  645  001706  103001                        BHIS    .+4
  646  001710  000000                        HLT                     ;BHIS FAILED
  647  001712  101401                        BLOS    .+4
  648  001714  000000                        HLT                     ;BLOS FAILED
  649          000007                        N=N+1
  650  001716  122727  000007  000007        CMPB    #7,     #7      ;COMPARE #7 TO #7
  651  001724  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  652  001726  000000                        HLT                     ;FAILED EQUALITY TEST
  653  001730  002001                        BGE     .+4
  654  001732  000000                        HLT                     ;BHISA FAILED
  655  001734  003401                        BLE     .+4
  656  001736  000000                        HLT                     ;BLOSA FALIED
  657  001740  103001                        BHIS    .+4
  658  001742  000000                        HLT                     ;BHIS FAILED
  659  001744  101401                        BLOS    .+4
  660  001746  000000                        HLT                     ;BLOS FAILED
  661          000010                        N=N+1
  662  001750  122727  000010  000010        CMPB    #10,    #10     ;COMPARE #10 TO #10
  663  001756  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  664  001760  000000                        HLT                     ;FAILED EQUALITY TEST
  665  001762  002001                        BGE     .+4
  666  001764  000000                        HLT                     ;BHISA FAILED
  667  001766  003401                        BLE     .+4
  668  001770  000000                        HLT                     ;BLOSA FALIED
  669  001772  103001                        BHIS    .+4
  670  001774  000000                        HLT                     ;BHIS FAILED
  671  001776  101401                        BLOS    .+4
  672  002000  000000                        HLT                     ;BLOS FAILED
  673          000011                        N=N+1
  674  002002  122727  000011  000011        CMPB    #11,    #11     ;COMPARE #11 TO #11
  675  002010  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  676  002012  000000                        HLT                     ;FAILED EQUALITY TEST
  677  002014  002001                        BGE     .+4
  678  002016  000000                        HLT                     ;BHISA FAILED
  679  002020  003401                        BLE     .+4
  680  002022  000000                        HLT                     ;BLOSA FALIED
  681  002024  103001                        BHIS    .+4
  682  002026  000000                        HLT                     ;BHIS FAILED
  683  002030  101401                        BLOS    .+4
  684  002032  000000                        HLT                     ;BLOS FAILED
  685          000012                        N=N+1
  686  002034  122727  000012  000012        CMPB    #12,    #12     ;COMPARE #12 TO #12
  687  002042  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  688  002044  000000                        HLT                     ;FAILED EQUALITY TEST
  689  002046  002001                        BGE     .+4
  690  002050  000000                        HLT                     ;BHISA FAILED
  691  002052  003401                        BLE     .+4
  692  002054  000000                        HLT                     ;BLOSA FALIED
  693  002056  103001                        BHIS    .+4
  694  002060  000000                        HLT                     ;BHIS FAILED
  695  002062  101401                        BLOS    .+4
  696  002064  000000                        HLT                     ;BLOS FAILED
  697          000013                        N=N+1
  698  002066  122727  000013  000013        CMPB    #13,    #13     ;COMPARE #13 TO #13
  699  002074  001401                        BEQ     .+4             ;BRANCH IF EQUAL
```

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  700  002076  000000                    HLT                     ;FAILED EQUALITY TEST
  701  002100  002001                    BGE     .+4
  702  002102  000000                    HLT                     ;BHISA FAILED
  703  002104  003401                    BLE     .+4
  704  002106  000000                    HLT                     ;BLOSA FALIED
  705  002110  103001                    BHIS    .+4
  706  002112  000000                    HLT                     ;BHIS FAILED
  707  002114  101401                    BLOS    .+4
  708  002116  000000                    HLT                     ;BLOS FAILED
  709          000014                    N=N+1
  710  002120  122727  000014  000014    CMPB    #14,    #14     ;COMPARE #14 TO #14
  711  002126  001401                    BEQ     .+4             ;BRANCH IF EQUAL
  712  002130  000000                    HLT                     ;FAILED EQUALITY TEST
  713  002132  002001                    BGE     .+4
  714  002134  000000                    HLT                     ;BHISA FAILED
  715  002136  003401                    BLE     .+4
  716  002140  000000                    HLT                     ;BLOSA FALIED
  717  002142  103001                    BHIS    .+4
  718  002144  000000                    HLT                     ;BHIS FAILED
  719  002146  101401                    BLOS    .+4
  720  002150  000000                    HLT                     ;BLOS FAILED
  721          000015                    N=N+1
  722  002152  122727  000015  000015    CMPB    #15,    #15     ;COMPARE #15 TO #15
  723  002160  001401                    BEQ     .+4             ;BRANCH IF EQUAL
  724  002162  000000                    HLT                     ;FAILED EQUALITY TEST
  725  002164  002001                    BGE     .+4
  726  002166  000000                    HLT                     ;BHISA FAILED
  727  002170  003401                    BLE     .+4
  728  002172  000000                    HLT                     ;BLOSA FALIED
  729  002174  103001                    BHIS    .+4
  730  002176  000000                    HLT                     ;BHIS FAILED
  731  002200  101401                    BLOS    .+4
  732  002202  000000                    HLT                     ;BLOS FAILED
  733          000016                    N=N+1
  734  002204  122727  000016  000016    CMPB    #16,    #16     ;COMPARE #16 TO #16
  735  002212  001401                    BEQ     .+4             ;BRANCH IF EQUAL
  736  002214  000000                    HLT                     ;FAILED EQUALITY TEST
  737  002216  002001                    BGE     .+4
  738  002220  000000                    HLT                     ;BHISA FAILED
  739  002222  003401                    BLE     .+4
  740  002224  000000                    HLT                     ;BLOSA FALIED
  741  002226  103001                    BHIS    .+4
  742  002230  000000                    HLT                     ;BHIS FAILED
  743  002232  101401                    BLOS    .+4
  744  002234  000000                    HLT                     ;BLOS FAILED
  745          000017                    N=N+1
  746  002236  122727  000017  000017    CMPB    #17,    #17     ;COMPARE #17 TO #17
  747  002244  001401                    BEQ     .+4             ;BRANCH IF EQUAL
  748  002246  000000                    HLT                     ;FAILED EQUALITY TEST
  749  002250  002001                    BGE     .+4
  750  002252  000000                    HLT                     ;BHISA FAILED
  751  002254  003401                    BLE     .+4
  752  002256  000000                    HLT                     ;BLOSA FALIED
  753  002260  103001                    BHIS    .+4
  754  002262  000000                    HLT                     ;BHIS FAILED
  755  002264  101401                    BLOS    .+4
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  756  002266  000000                        HLT                             ;BLOS FAILED
  757          000020                        N=N+1
  758  002270  122727  000020  000020        CMPB    #20,    #20             ;COMPARE #20 TO #20
  759  002276  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
  760  002300  000000                        HLT                             ;FAILED EQUALITY TEST
  761  002302  002001                        BGE     .+4
  762  002304  000000                        HLT                             ;BHISA FAILED
  763  002306  003401                        BLE     .+4
  764  002310  000000                        HLT                             ;BLOSA FALIED
  765  002312  103001                        BHIS    .+4
  766  002314  000000                        HLT                             ;BHIS FAILED
  767  002316  101401                        BLOS    .+4
  768  002320  000000                        HLT                             ;BLOS FAILED
  769          000021                        N=N+1
  770  002322  122727  000021  000021        CMPB    #21,    #21             ;COMPARE #21 TO #21
  771  002330  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
  772  002332  000000                        HLT                             ;FAILED EQUALITY TEST
  773  002334  002001                        BGE     .+4
  774  002336  000000                        HLT                             ;BHISA FAILED
  775  002340  003401                        BLE     .+4
  776  002342  000000                        HLT                             ;BLOSA FALIED
  777  002344  103001                        BHIS    .+4
  778  002346  000000                        HLT                             ;BHIS FAILED
  779  002350  101401                        BLOS    .+4
  780  002352  000000                        HLT                             ;BLOS FAILED
  781          000022                        N=N+1
  782  002354  122727  000022  000022        CMPB    #22,    #22             ;COMPARE #22 TO #22
  783  002362  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
  784  002364  000000                        HLT                             ;FAILED EQUALITY TEST
  785  002366  002001                        BGE     .+4
  786  002370  000000                        HLT                             ;BHISA FAILED
  787  002372  003401                        BLE     .+4
  788  002374  000000                        HLT                             ;BLOSA FALIED
  789  002376  103001                        BHIS    .+4
  790  002400  000000                        HLT                             ;BHIS FAILED
  791  002402  101401                        BLOS    .+4
  792  002404  000000                        HLT                             ;BLOS FAILED
  793          000023                        N=N+1
  794  002406  122727  000023  000023        CMPB    #23,    #23             ;COMPARE #23 TO #23
  795  002414  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
  796  002416  000000                        HLT                             ;FAILED EQUALITY TEST
  797  002420  002001                        BGE     .+4
  798  002422  000000                        HLT                             ;BHISA FAILED
  799  002424  003401                        BLE     .+4
  800  002426  000000                        HLT                             ;BLOSA FALIED
  801  002430  103001                        BHIS    .+4
  802  002432  000000                        HLT                             ;BHIS FAILED
  803  002434  101401                        BLOS    .+4
  804  002436  000000                        HLT                             ;BLOS FAILED
  805          000024                        N=N+1
  806  002440  122727  000024  000024        CMPB    #24,    #24             ;COMPARE #24 TO #24
  807  002446  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
  808  002450  000000                        HLT                             ;FAILED EQUALITY TEST
  809  002452  002001                        BGE     .+4
  810  002454  000000                        HLT                             ;BHISA FAILED
  811  002456  003401                        BLE     .+4
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  812  002460  000000                        HLT                     ;BLOSA FALIED
  813  002462  103001                        BHIS    .+4
  814  002464  000000                        HLT                     ;BHIS FAILED
  815  002466  101401                        BLOS    .+4
  816  002470  000000                        HLT                     ;BLOS FAILED
  817          000025                        N=N+1
  818  002472  122727  000025  000025        CMPB    #25,    #25     ;COMPARE #25 TO #25
  819  002500  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  820  002502  000000                        HLT                     ;FAILED EQUALITY TEST
  821  002504  002001                        BGE     .+4
  822  002506  000000                        HLT                     ;BHISA FAILED
  823  002510  003401                        BLE     .+4
  824  002512  000000                        HLT                     ;BLOSA FALIED
  825  002514  103001                        BHIS    .+4
  826  002516  000000                        HLT                     ;BHIS FAILED
  827  002520  101401                        BLOS    .+4
  828  002522  000000                        HLT                     ;BLOS FAILED
  829          000026                        N=N+1
  830  002524  122727  000026  000026        CMPB    #26,    #26     ;COMPARE #26 TO #26
  831  002532  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  832  002534  000000                        HLT                     ;FAILED EQUALITY TEST
  833  002536  002001                        BGE     .+4
  834  002540  000000                        HLT                     ;BHISA FAILED
  835  002542  003401                        BLE     .+4
  836  002544  000000                        HLT                     ;BLOSA FALIED
  837  002546  103001                        BHIS    .+4
  838  002550  000000                        HLT                     ;BHIS FAILED
  839  002552  101401                        BLOS    .+4
  840  002554  000000                        HLT                     ;BLOS FAILED
  841          000027                        N=N+1
  842  002556  122727  000027  000027        CMPB    #27,    #27     ;COMPARE #27 TO #27
  843  002564  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  844  002566  000000                        HLT                     ;FAILED EQUALITY TEST
  845  002570  002001                        BGE     .+4
  846  002572  000000                        HLT                     ;BHISA FAILED
  847  002574  003401                        BLE     .+4
  848  002576  000000                        HLT                     ;BLOSA FALIED
  849  002600  103001                        BHIS    .+4
  850  002602  000000                        HLT                     ;BHIS FAILED
  851  002604  101401                        BLOS    .+4
  852  002606  000000                        HLT                     ;BLOS FAILED
  853          000030                        N=N+1
  854  002610  122727  000030  000030        CMPB    #30,    #30     ;COMPARE #30 TO #30
  855  002616  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  856  002620  000000                        HLT                     ;FAILED EQUALITY TEST
  857  002622  002001                        BGE     .+4
  858  002624  000000                        HLT                     ;BHISA FAILED
  859  002626  003401                        BLE     .+4
  860  002630  000000                        HLT                     ;BLOSA FALIED
  861  002632  103001                        BHIS    .+4
  862  002634  000000                        HLT                     ;BHIS FAILED
  863  002636  101401                        BLOS    .+4
  864  002640  000000                        HLT                     ;BLOS FAILED
  865          000031                        N=N+1
  866  002642  122727  000031  000031        CMPB    #31,    #31     ;COMPARE #31 TO #31
  867  002650  001401                        BEQ     .+4             ;BRANCH IF EQUAL
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  868  002652  000000                          HLT                     ;FAILED EQUALITY TEST
  869  002654  002001                          BGE     .+4
  870  002656  000000                          HLT                     ;BHISA FAILED
  871  002660  003401                          BLE     .+4
  872  002662  000000                          HLT                     ;BLOSA FALIED
  873  002664  103001                          BHIS    .+4
  874  002666  000000                          HLT                     ;BHIS FAILED
  875  002670  101401                          BLOS    .+4
  876  002672  000000                          HLT                     ;BLOS FAILED
  877          000032                          N=N+1
  878  002674  122727  000032  000032          CMPB    #32,    #32     ;COMPARE #32 TO #32
  879  002702  001401                          BEQ     .+4             ;BRANCH IF EQUAL
  880  002704  000000                          HLT                     ;FAILED EQUALITY TEST
  881  002706  002001                          BGE     .+4
  882  002710  000000                          HLT                     ;BHISA FAILED
  883  002712  003401                          BLE     .+4
  884  002714  000000                          HLT                     ;BLOSA FALIED
  885  002716  103001                          BHIS    .+4
  886  002720  000000                          HLT                     ;BHIS FAILED
  887  002722  101401                          BLOS    .+4
  888  002724  000000                          HLT                     ;BLOS FAILED
  889          000033                          N=N+1
  890  002726  122727  000033  000033          CMPB    #33,    #33     ;COMPARE #33 TO #33
  891  002734  001401                          BEQ     .+4             ;BRANCH IF EQUAL
  892  002736  000000                          HLT                     ;FAILED EQUALITY TEST
  893  002740  002001                          BGE     .+4
  894  002742  000000                          HLT                     ;BHISA FAILED
  895  002744  003401                          BLE     .+4
  896  002746  000000                          HLT                     ;BLOSA FALIED
  897  002750  103001                          BHIS    .+4
  898  002752  000000                          HLT                     ;BHIS FAILED
  899  002754  101401                          BLOS    .+4
  900  002756  000000                          HLT                     ;BLOS FAILED
  901          000034                          N=N+1
  902  002760  122727  000034  000034          CMPB    #34,    #34     ;COMPARE #34 TO #34
  903  002766  001401                          BEQ     .+4             ;BRANCH IF EQUAL
  904  002770  000000                          HLT                     ;FAILED EQUALITY TEST
  905  002772  002001                          BGE     .+4
  906  002774  000000                          HLT                     ;BHISA FAILED
  907  002776  003401                          BLE     .+4
  908  003000  000000                          HLT                     ;BLOSA FALIED
  909  003002  103001                          BHIS    .+4
  910  003004  000000                          HLT                     ;BHIS FAILED
  911  003006  101401                          BLOS    .+4
  912  003010  000000                          HLT                     ;BLOS FAILED
  913          000035                          N=N+1
  914  003012  122727  000035  000035          CMPB    #35,    #35     ;COMPARE #35 TO #35
  915  003020  001401                          BEQ     .+4             ;BRANCH IF EQUAL
  916  003022  000000                          HLT                     ;FAILED EQUALITY TEST
  917  003024  002001                          BGE     .+4
  918  003026  000000                          HLT                     ;BHISA FAILED
  919  003030  003401                          BLE     .+4
  920  003032  000000                          HLT                     ;BLOSA FALIED
  921  003034  103001                          BHIS    .+4
  922  003036  000000                          HLT                     ;BHIS FAILED
  923  003040  101401                          BLOS    .+4
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   924  003042  000000                          HLT                             ;BLOS FAILED
   925          000036                          N=N+1
   926  003044  122727  000036  000036          CMPB    #36,    #36     ;COMPARE #36 TO #36
   927  003052  001401                          BEQ     .+4             ;BRANCH IF EQUAL
   928  003054  000000                          HLT                             ;FAILED EQUALITY TEST
   929  003056  002001                          BGE     .+4
   930  003060  000000                          HLT                             ;BHISA FAILED
   931  003062  003401                          BLE     .+4
   932  003064  000000                          HLT                             ;BLOSA FALIED
   933  003066  103001                          BHIS    .+4
   934  003070  000000                          HLT                             ;BHIS FAILED
   935  003072  101401                          BLOS    .+4
   936  003074  000000                          HLT                             ;BLOS FAILED
   937          000037                          N=N+1
   938  003076  122727  000037  000037          CMPB    #37,    #37     ;COMPARE #37 TO #37
   939  003104  001401                          BEQ     .+4             ;BRANCH IF EQUAL
   940  003106  000000                          HLT                             ;FAILED EQUALITY TEST
   941  003110  002001                          BGE     .+4
   942  003112  000000                          HLT                             ;BHISA FAILED
   943  003114  003401                          BLE     .+4
   944  003116  000000                          HLT                             ;BLOSA FALIED
   945  003120  103001                          BHIS    .+4
   946  003122  000000                          HLT                             ;BHIS FAILED
   947  003124  101401                          BLOS    .+4
   948  003126  000000                          HLT                             ;BLOS FAILED
   949          000040                          N=N+1
   950  003130  122727  000040  000040          CMPB    #40,    #40     ;COMPARE #40 TO #40
   951  003136  001401                          BEQ     .+4             ;BRANCH IF EQUAL
   952  003140  000000                          HLT                             ;FAILED EQUALITY TEST
   953  003142  002001                          BGE     .+4
   954  003144  000000                          HLT                             ;BHISA FAILED
   955  003146  003401                          BLE     .+4
   956  003150  000000                          HLT                             ;BLOSA FALIED
   957  003152  103001                          BHIS    .+4
   958  003154  000000                          HLT                             ;BHIS FAILED
   959  003156  101401                          BLOS    .+4
   960  003160  000000                          HLT                             ;BLOS FAILED
   961          000041                          N=N+1
   962  003162  122727  000041  000041          CMPB    #41,    #41     ;COMPARE #41 TO #41
   963  003170  001401                          BEQ     .+4             ;BRANCH IF EQUAL
   964  003172  000000                          HLT                             ;FAILED EQUALITY TEST
   965  003174  002001                          BGE     .+4
   966  003176  000000                          HLT                             ;BHISA FAILED
   967  003200  003401                          BLE     .+4
   968  003202  000000                          HLT                             ;BLOSA FALIED
   969  003204  103001                          BHIS    .+4
   970  003206  000000                          HLT                             ;BHIS FAILED
   971  003210  101401                          BLOS    .+4
   972  003212  000000                          HLT                             ;BLOS FAILED
   973          000042                          N=N+1
   974  003214  122727  000042  000042          CMPB    #42,    #42     ;COMPARE #42 TO #42
   975  003222  001401                          BEQ     .+4             ;BRANCH IF EQUAL
   976  003224  000000                          HLT                             ;FAILED EQUALITY TEST
   977  003226  002001                          BGE     .+4
   978  003230  000000                          HLT                             ;BHISA FAILED
   979  003232  003401                          BLE     .+4
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  980  003234  000000                        HLT                     ;BLOSA FALIED
  981  003236  103001                        BHIS    .+4
  982  003240  000000                        HLT                     ;BHIS FAILED
  983  003242  101401                        BLOS    .+4
  984  003244  000000                        HLT                     ;BLOS FAILED
  985          000043                        N=N+1
  986  003246  122727  000043  000043        CMPB    #43,    #43     ;COMPARE #43 TO #43
  987  003254  001401                        BEQ     .+4             ;BRANCH IF EQUAL
  988  003256  000000                        HLT                     ;FAILED EQUALITY TEST
  989  003260  002001                        BGE     .+4
  990  003262  000000                        HLT                     ;BHISA FAILED
  991  003264  003401                        BLE     .+4
  992  003266  000000                        HLT                     ;BLOSA FALIED
  993  003270  103001                        BHIS    .+4
  994  003272  000000                        HLT                     ;BHIS FAILED
  995  003274  101401                        BLOS    .+4
  996  003276  000000                        HLT                     ;BLOS FAILED
  997          000044                        N=N+1
  998  003300  122727  000044  000044        CMPB    #44,    #44     ;COMPARE #44 TO #44
  999  003306  001401                        BEQ     .+4             ;BRANCH IF EQUAL
 1000  003310  000000                        HLT                     ;FAILED EQUALITY TEST
 1001  003312  002001                        BGE     .+4
 1002  003314  000000                        HLT                     ;BHISA FAILED
 1003  003316  003401                        BLE     .+4
 1004  003320  000000                        HLT                     ;BLOSA FALIED
 1005  003322  103001                        BHIS    .+4
 1006  003324  000000                        HLT                     ;BHIS FAILED
 1007  003326  101401                        BLOS    .+4
 1008  003330  000000                        HLT                     ;BLOS FAILED
 1009          000045                        N=N+1
 1010  003332  122727  000045  000045        CMPB    #45,    #45     ;COMPARE #45 TO #45
 1011  003340  001401                        BEQ     .+4             ;BRANCH IF EQUAL
 1012  003342  000000                        HLT                     ;FAILED EQUALITY TEST
 1013  003344  002001                        BGE     .+4
 1014  003346  000000                        HLT                     ;BHISA FAILED
 1015  003350  003401                        BLE     .+4
 1016  003352  000000                        HLT                     ;BLOSA FALIED
 1017  003354  103001                        BHIS    .+4
 1018  003356  000000                        HLT                     ;BHIS FAILED
 1019  003360  101401                        BLOS    .+4
 1020  003362  000000                        HLT                     ;BLOS FAILED
 1021          000046                        N=N+1
 1022  003364  122727  000046  000046        CMPB    #46,    #46     ;COMPARE #46 TO #46
 1023  003372  001401                        BEQ     .+4             ;BRANCH IF EQUAL
 1024  003374  000000                        HLT                     ;FAILED EQUALITY TEST
 1025  003376  002001                        BGE     .+4
 1026  003400  000000                        HLT                     ;BHISA FAILED
 1027  003402  003401                        BLE     .+4
 1028  003404  000000                        HLT                     ;BLOSA FALIED
 1029  003406  103001                        BHIS    .+4
 1030  003410  000000                        HLT                     ;BHIS FAILED
 1031  003412  101401                        BLOS    .+4
 1032  003414  000000                        HLT                     ;BLOS FAILED
 1033          000047                        N=N+1
 1034  003416  122727  000047  000047        CMPB    #47,    #47     ;COMPARE #47 TO #47
 1035  003424  001401                        BEQ     .+4             ;BRANCH IF EQUAL
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1036  003426  000000                          HLT                     ;FAILED EQUALITY TEST
1037  003430  002001                          BGE     .+4
1038  003432  000000                          HLT                     ;BHISA FAILED
1039  003434  003401                          BLE     .+4
1040  003436  000000                          HLT                     ;BLOSA FALIED
1041  003440  103001                          BHIS    .+4
1042  003442  000000                          HLT                     ;BHIS FAILED
1043  003444  101401                          BLOS    .+4
1044  003446  000000                          HLT                     ;BLOS FAILED
1045          000050                          N=N+1
1046  003450  122727  000050  000050          CMPB    #50,    #50     ;COMPARE #50 TO #50
1047  003456  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1048  003460  000000                          HLT                     ;FAILED EQUALITY TEST
1049  003462  002001                          BGE     .+4
1050  003464  000000                          HLT                     ;BHISA FAILED
1051  003466  003401                          BLE     .+4
1052  003470  000000                          HLT                     ;BLOSA FALIED
1053  003472  103001                          BHIS    .+4
1054  003474  000000                          HLT                     ;BHIS FAILED
1055  003476  101401                          BLOS    .+4
1056  003500  000000                          HLT                     ;BLOS FAILED
1057          000051                          N=N+1
1058  003502  122727  000051  000051          CMPB    #51,    #51     ;COMPARE #51 TO #51
1059  003510  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1060  003512  000000                          HLT                     ;FAILED EQUALITY TEST
1061  003514  002001                          BGE     .+4
1062  003516  000000                          HLT                     ;BHISA FAILED
1063  003520  003401                          BLE     .+4
1064  003522  000000                          HLT                     ;BLOSA FALIED
1065  003524  103001                          BHIS    .+4
1066  003526  000000                          HLT                     ;BHIS FAILED
1067  003530  101401                          BLOS    .+4
1068  003532  000000                          HLT                     ;BLOS FAILED
1069          000052                          N=N+1
1070  003534  122727  000052  000052          CMPB    #52,    #52     ;COMPARE #52 TO #52
1071  003542  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1072  003544  000000                          HLT                     ;FAILED EQUALITY TEST
1073  003546  002001                          BGE     .+4
1074  003550  000000                          HLT                     ;BHISA FAILED
1075  003552  003401                          BLE     .+4
1076  003554  000000                          HLT                     ;BLOSA FALIED
1077  003556  103001                          BHIS    .+4
1078  003560  000000                          HLT                     ;BHIS FAILED
1079  003562  101401                          BLOS    .+4
1080  003564  000000                          HLT                     ;BLOS FAILED
1081          000053                          N=N+1
1082  003566  122727  000053  000053          CMPB    #53,    #53     ;COMPARE #53 TO #53
1083  003574  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1084  003576  000000                          HLT                     ;FAILED EQUALITY TEST
1085  003600  002001                          BGE     .+4
1086  003602  000000                          HLT                     ;BHISA FAILED
1087  003604  003401                          BLE     .+4
1088  003606  000000                          HLT                     ;BLOSA FALIED
1089  003610  103001                          BHIS    .+4
1090  003612  000000                          HLT                     ;BHIS FAILED
1091  003614  101401                          BLOS    .+4
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1092  003616  000000                        HLT                             ;BLOS FAILED
1093          000054                        N=N+1
1094  003620  122727  000054  000054        CMPB    #54,    #54     ;COMPARE #54 TO #54
1095  003626  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1096  003630  000000                        HLT                             ;FAILED EQUALITY TEST
1097  003632  002001                        BGE     .+4
1098  003634  000000                        HLT                             ;BHISA FAILED
1099  003636  003401                        BLE     .+4
1100  003640  000000                        HLT                             ;BLOSA FALIED
1101  003642  103001                        BHIS    .+4
1102  003644  000000                        HLT                             ;BHIS FAILED
1103  003646  101401                        BLOS    .+4
1104  003650  000000                        HLT                             ;BLOS FAILED
1105          000055                        N=N+1
1106  003652  122727  000055  000055        CMPB    #55,    #55     ;COMPARE #55 TO #55
1107  003660  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1108  003662  000000                        HLT                             ;FAILED EQUALITY TEST
1109  003664  002001                        BGE     .+4
1110  003666  000000                        HLT                             ;BHISA FAILED
1111  003670  003401                        BLE     .+4
1112  003672  000000                        HLT                             ;BLOSA FALIED
1113  003674  103001                        BHIS    .+4
1114  003676  000000                        HLT                             ;BHIS FAILED
1115  003700  101401                        BLOS    .+4
1116  003702  000000                        HLT                             ;BLOS FAILED
1117          000056                        N=N+1
1118  003704  122727  000056  000056        CMPB    #56,    #56     ;COMPARE #56 TO #56
1119  003712  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1120  003714  000000                        HLT                             ;FAILED EQUALITY TEST
1121  003716  002001                        BGE     .+4
1122  003720  000000                        HLT                             ;BHISA FAILED
1123  003722  003401                        BLE     .+4
1124  003724  000000                        HLT                             ;BLOSA FALIED
1125  003726  103001                        BHIS    .+4
1126  003730  000000                        HLT                             ;BHIS FAILED
1127  003732  101401                        BLOS    .+4
1128  003734  000000                        HLT                             ;BLOS FAILED
1129          000057                        N=N+1
1130  003736  122727  000057  000057        CMPB    #57,    #57     ;COMPARE #57 TO #57
1131  003744  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1132  003746  000000                        HLT                             ;FAILED EQUALITY TEST
1133  003750  002001                        BGE     .+4
1134  003752  000000                        HLT                             ;BHISA FAILED
1135  003754  003401                        BLE     .+4
1136  003756  000000                        HLT                             ;BLOSA FALIED
1137  003760  103001                        BHIS    .+4
1138  003762  000000                        HLT                             ;BHIS FAILED
1139  003764  101401                        BLOS    .+4
1140  003766  000000                        HLT                             ;BLOS FAILED
1141          000060                        N=N+1
1142  003770  122727  000060  000060        CMPB    #60,    #60     ;COMPARE #60 TO #60
1143  003776  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1144  004000  000000                        HLT                             ;FAILED EQUALITY TEST
1145  004002  002001                        BGE     .+4
1146  004004  000000                        HLT                             ;BHISA FAILED
1147  004006  003401                        BLE     .+4
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1148  004010  000000                        HLT                     ;BLOSA FALIED
1149  004012  103001                        BHIS    .+4
1150  004014  000000                        HLT                     ;BHIS FAILED
1151  004016  101401                        BLOS    .+4
1152  004020  000000                        HLT                     ;BLOS FAILED
1153          000061                        N=N+1
1154  004022  122727  000061  000061        CMPB    #61,    #61     ;COMPARE #61 TO #61
1155  004030  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1156  004032  000000                        HLT                     ;FAILED EQUALITY TEST
1157  004034  002001                        BGE     .+4
1158  004036  000000                        HLT                     ;BHISA FAILED
1159  004040  003401                        BLE     .+4
1160  004042  000000                        HLT                     ;BLOSA FALIED
1161  004044  103001                        BHIS    .+4
1162  004046  000000                        HLT                     ;BHIS FAILED
1163  004050  101401                        BLOS    .+4
1164  004052  000000                        HLT                     ;BLOS FAILED
1165          000062                        N=N+1
1166  004054  122727  000062  000062        CMPB    #62,    #62     ;COMPARE #62 TO #62
1167  004062  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1168  004064  000000                        HLT                     ;FAILED EQUALITY TEST
1169  004066  002001                        BGE     .+4
1170  004070  000000                        HLT                     ;BHISA FAILED
1171  004072  003401                        BLE     .+4
1172  004074  000000                        HLT                     ;BLOSA FALIED
1173  004076  103001                        BHIS    .+4
1174  004100  000000                        HLT                     ;BHIS FAILED
1175  004102  101401                        BLOS    .+4
1176  004104  000000                        HLT                     ;BLOS FAILED
1177          000063                        N=N+1
1178  004106  122727  000063  000063        CMPB    #63,    #63     ;COMPARE #63 TO #63
1179  004114  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1180  004116  000000                        HLT                     ;FAILED EQUALITY TEST
1181  004120  002001                        BGE     .+4
1182  004122  000000                        HLT                     ;BHISA FAILED
1183  004124  003401                        BLE     .+4
1184  004126  000000                        HLT                     ;BLOSA FALIED
1185  004130  103001                        BHIS    .+4
1186  004132  000000                        HLT                     ;BHIS FAILED
1187  004134  101401                        BLOS    .+4
1188  004136  000000                        HLT                     ;BLOS FAILED
1189          000064                        N=N+1
1190  004140  122727  000064  000064        CMPB    #64,    #64     ;COMPARE #64 TO #64
1191  004146  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1192  004150  000000                        HLT                     ;FAILED EQUALITY TEST
1193  004152  002001                        BGE     .+4
1194  004154  000000                        HLT                     ;BHISA FAILED
1195  004156  003401                        BLE     .+4
1196  004160  000000                        HLT                     ;BLOSA FALIED
1197  004162  103001                        BHIS    .+4
1198  004164  000000                        HLT                     ;BHIS FAILED
1199  004166  101401                        BLOS    .+4
1200  004170  000000                        HLT                     ;BLOS FAILED
1201          000065                        N=N+1
1202  004172  122727  000065  000065        CMPB    #65,    #65     ;COMPARE #65 TO #65
1203  004200  001401                        BEQ     .+4             ;BRANCH IF EQUAL
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1204  004202  000000                        HLT                     ;FAILED EQUALITY TEST
1205  004204  002001                        BGE     .+4
1206  004206  000000                        HLT                     ;BHISA FAILED
1207  004210  003401                        BLE     .+4
1208  004212  000000                        HLT                     ;BLOSA FALIED
1209  004214  103001                        BHIS    .+4
1210  004216  000000                        HLT                     ;BHIS FAILED
1211  004220  101401                        BLOS    .+4
1212  004222  000000                        HLT                     ;BLOS FAILED
1213          000066                        N=N+1
1214  004224  122727  000066  000066        CMPB    #66,    #66     ;COMPARE #66 TO #66
1215  004232  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1216  004234  000000                        HLT                     ;FAILED EQUALITY TEST
1217  004236  002001                        BGE     .+4
1218  004240  000000                        HLT                     ;BHISA FAILED
1219  004242  003401                        BLE     .+4
1220  004244  000000                        HLT                     ;BLOSA FALIED
1221  004246  103001                        BHIS    .+4
1222  004250  000000                        HLT                     ;BHIS FAILED
1223  004252  101401                        BLOS    .+4
1224  004254  000000                        HLT                     ;BLOS FAILED
1225          000067                        N=N+1
1226  004256  122727  000067  000067        CMPB    #67,    #67     ;COMPARE #67 TO #67
1227  004264  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1228  004266  000000                        HLT                     ;FAILED EQUALITY TEST
1229  004270  002001                        BGE     .+4
1230  004272  000000                        HLT                     ;BHISA FAILED
1231  004274  003401                        BLE     .+4
1232  004276  000000                        HLT                     ;BLOSA FALIED
1233  004300  103001                        BHIS    .+4
1234  004302  000000                        HLT                     ;BHIS FAILED
1235  004304  101401                        BLOS    .+4
1236  004306  000000                        HLT                     ;BLOS FAILED
1237          000070                        N=N+1
1238  004310  122727  000070  000070        CMPB    #70,    #70     ;COMPARE #70 TO #70
1239  004316  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1240  004320  000000                        HLT                     ;FAILED EQUALITY TEST
1241  004322  002001                        BGE     .+4
1242  004324  000000                        HLT                     ;BHISA FAILED
1243  004326  003401                        BLE     .+4
1244  004330  000000                        HLT                     ;BLOSA FALIED
1245  004332  103001                        BHIS    .+4
1246  004334  000000                        HLT                     ;BHIS FAILED
1247  004336  101401                        BLOS    .+4
1248  004340  000000                        HLT                     ;BLOS FAILED
1249          000071                        N=N+1
1250  004342  122727  000071  000071        CMPB    #71,    #71     ;COMPARE #71 TO #71
1251  004350  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1252  004352  000000                        HLT                     ;FAILED EQUALITY TEST
1253  004354  002001                        BGE     .+4
1254  004356  000000                        HLT                     ;BHISA FAILED
1255  004360  003401                        BLE     .+4
1256  004362  000000                        HLT                     ;BLOSA FALIED
1257  004364  103001                        BHIS    .+4
1258  004366  000000                        HLT                     ;BHIS FAILED
1259  004370  101401                        BLOS    .+4
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1260  004372  000000                        HLT                             ;BLOS FAILED
1261          000072                        N=N+1
1262  004374  122727  000072  000072        CMPB    #72,    #72             ;COMPARE #72 TO #72
1263  004402  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
1264  004404  000000                        HLT                             ;FAILED EQUALITY TEST
1265  004406  002001                        BGE     .+4
1266  004410  000000                        HLT                             ;BHISA FAILED
1267  004412  003401                        BLE     .+4
1268  004414  000000                        HLT                             ;BLOSA FALIED
1269  004416  103001                        BHIS    .+4
1270  004420  000000                        HLT                             ;BHIS FAILED
1271  004422  101401                        BLOS    .+4
1272  004424  000000                        HLT                             ;BLOS FAILED
1273          000073                        N=N+1
1274  004426  122727  000073  000073        CMPB    #73,    #73             ;COMPARE #73 TO #73
1275  004434  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
1276  004436  000000                        HLT                             ;FAILED EQUALITY TEST
1277  004440  002001                        BGE     .+4
1278  004442  000000                        HLT                             ;BHISA FAILED
1279  004444  003401                        BLE     .+4
1280  004446  000000                        HLT                             ;BLOSA FALIED
1281  004450  103001                        BHIS    .+4
1282  004452  000000                        HLT                             ;BHIS FAILED
1283  004454  101401                        BLOS    .+4
1284  004456  000000                        HLT                             ;BLOS FAILED
1285          000074                        N=N+1
1286  004460  122727  000074  000074        CMPB    #74,    #74             ;COMPARE #74 TO #74
1287  004466  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
1288  004470  000000                        HLT                             ;FAILED EQUALITY TEST
1289  004472  002001                        BGE     .+4
1290  004474  000000                        HLT                             ;BHISA FAILED
1291  004476  003401                        BLE     .+4
1292  004500  000000                        HLT                             ;BLOSA FALIED
1293  004502  103001                        BHIS    .+4
1294  004504  000000                        HLT                             ;BHIS FAILED
1295  004506  101401                        BLOS    .+4
1296  004510  000000                        HLT                             ;BLOS FAILED
1297          000075                        N=N+1
1298  004512  122727  000075  000075        CMPB    #75,    #75             ;COMPARE #75 TO #75
1299  004520  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
1300  004522  000000                        HLT                             ;FAILED EQUALITY TEST
1301  004524  002001                        BGE     .+4
1302  004526  000000                        HLT                             ;BHISA FAILED
1303  004530  003401                        BLE     .+4
1304  004532  000000                        HLT                             ;BLOSA FALIED
1305  004534  103001                        BHIS    .+4
1306  004536  000000                        HLT                             ;BHIS FAILED
1307  004540  101401                        BLOS    .+4
1308  004542  000000                        HLT                             ;BLOS FAILED
1309          000076                        N=N+1
1310  004544  122727  000076  000076        CMPB    #76,    #76             ;COMPARE #76 TO #76
1311  004552  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
1312  004554  000000                        HLT                             ;FAILED EQUALITY TEST
1313  004556  002001                        BGE     .+4
1314  004560  000000                        HLT                             ;BHISA FAILED
1315  004562  003401                        BLE     .+4
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1316  004564  000000                          HLT                             ;BLOSA FALIED
1317  004566  103001                          BHIS    .+4
1318  004570  000000                          HLT                             ;BHIS FAILED
1319  004572  101401                          BLOS    .+4
1320  004574  000000                          HLT                             ;BLOS FAILED
1321          000077                          N=N+1
1322  004576  122727  000077  000077          CMPB    #77,    #77             ;COMPARE #77 TO #77
1323  004604  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
1324  004606  000000                          HLT                             ;FAILED EQUALITY TEST
1325  004610  002001                          BGE     .+4
1326  004612  000000                          HLT                             ;BHISA FAILED
1327  004614  003401                          BLE     .+4
1328  004616  000000                          HLT                             ;BLOSA FALIED
1329  004620  103001                          BHIS    .+4
1330  004622  000000                          HLT                             ;BHIS FAILED
1331  004624  101401                          BLOS    .+4
1332  004626  000000                          HLT                             ;BLOS FAILED
1333          000100                          N=N+1
1334  004630  122727  000100  000100          CMPB    #100,   #100            ;COMPARE #100 TO #100
1335  004636  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
1336  004640  000000                          HLT                             ;FAILED EQUALITY TEST
1337  004642  002001                          BGE     .+4
1338  004644  000000                          HLT                             ;BHISA FAILED
1339  004646  003401                          BLE     .+4
1340  004650  000000                          HLT                             ;BLOSA FALIED
1341  004652  103001                          BHIS    .+4
1342  004654  000000                          HLT                             ;BHIS FAILED
1343  004656  101401                          BLOS    .+4
1344  004660  000000                          HLT                             ;BLOS FAILED
1345          000101                          N=N+1
1346  004662  122727  000101  000101          CMPB    #101,   #101            ;COMPARE #101 TO #101
1347  004670  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
1348  004672  000000                          HLT                             ;FAILED EQUALITY TEST
1349  004674  002001                          BGE     .+4
1350  004676  000000                          HLT                             ;BHISA FAILED
1351  004700  003401                          BLE     .+4
1352  004702  000000                          HLT                             ;BLOSA FALIED
1353  004704  103001                          BHIS    .+4
1354  004706  000000                          HLT                             ;BHIS FAILED
1355  004710  101401                          BLOS    .+4
1356  004712  000000                          HLT                             ;BLOS FAILED
1357          000102                          N=N+1
1358  004714  122727  000102  000102          CMPB    #102,   #102            ;COMPARE #102 TO #102
1359  004722  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
1360  004724  000000                          HLT                             ;FAILED EQUALITY TEST
1361  004726  002001                          BGE     .+4
1362  004730  000000                          HLT                             ;BHISA FAILED
1363  004732  003401                          BLE     .+4
1364  004734  000000                          HLT                             ;BLOSA FALIED
1365  004736  103001                          BHIS    .+4
1366  004740  000000                          HLT                             ;BHIS FAILED
1367  004742  101401                          BLOS    .+4
1368  004744  000000                          HLT                             ;BLOS FAILED
1369          000103                          N=N+1
1370  004746  122727  000103  000103          CMPB    #103,   #103            ;COMPARE #103 TO #103
1371  004754  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
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1372  004756  000000                        HLT                     ;FAILED EQUALITY TEST
1373  004760  002001                        BGE     .+4
1374  004762  000000                        HLT                     ;BHISA FAILED
1375  004764  003401                        BLE     .+4
1376  004766  000000                        HLT                     ;BLOSA FALIED
1377  004770  103001                        BHIS    .+4
1378  004772  000000                        HLT                     ;BHIS FAILED
1379  004774  101401                        BLOS    .+4
1380  004776  000000                        HLT                     ;BLOS FAILED
1381          000104                        N=N+1
1382  005000  122727  000104  000104        CMPB    #104,   #104    ;COMPARE #104 TO #104
1383  005006  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1384  005010  000000                        HLT                     ;FAILED EQUALITY TEST
1385  005012  002001                        BGE     .+4
1386  005014  000000                        HLT                     ;BHISA FAILED
1387  005016  003401                        BLE     .+4
1388  005020  000000                        HLT                     ;BLOSA FALIED
1389  005022  103001                        BHIS    .+4
1390  005024  000000                        HLT                     ;BHIS FAILED
1391  005026  101401                        BLOS    .+4
1392  005030  000000                        HLT                     ;BLOS FAILED
1393          000105                        N=N+1
1394  005032  122727  000105  000105        CMPB    #105,   #105    ;COMPARE #105 TO #105
1395  005040  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1396  005042  000000                        HLT                     ;FAILED EQUALITY TEST
1397  005044  002001                        BGE     .+4
1398  005046  000000                        HLT                     ;BHISA FAILED
1399  005050  003401                        BLE     .+4
1400  005052  000000                        HLT                     ;BLOSA FALIED
1401  005054  103001                        BHIS    .+4
1402  005056  000000                        HLT                     ;BHIS FAILED
1403  005060  101401                        BLOS    .+4
1404  005062  000000                        HLT                     ;BLOS FAILED
1405          000106                        N=N+1
1406  005064  122727  000106  000106        CMPB    #106,   #106    ;COMPARE #106 TO #106
1407  005072  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1408  005074  000000                        HLT                     ;FAILED EQUALITY TEST
1409  005076  002001                        BGE     .+4
1410  005100  000000                        HLT                     ;BHISA FAILED
1411  005102  003401                        BLE     .+4
1412  005104  000000                        HLT                     ;BLOSA FALIED
1413  005106  103001                        BHIS    .+4
1414  005110  000000                        HLT                     ;BHIS FAILED
1415  005112  101401                        BLOS    .+4
1416  005114  000000                        HLT                     ;BLOS FAILED
1417          000107                        N=N+1
1418  005116  122727  000107  000107        CMPB    #107,   #107    ;COMPARE #107 TO #107
1419  005124  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1420  005126  000000                        HLT                     ;FAILED EQUALITY TEST
1421  005130  002001                        BGE     .+4
1422  005132  000000                        HLT                     ;BHISA FAILED
1423  005134  003401                        BLE     .+4
1424  005136  000000                        HLT                     ;BLOSA FALIED
1425  005140  103001                        BHIS    .+4
1426  005142  000000                        HLT                     ;BHIS FAILED
1427  005144  101401                        BLOS    .+4
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1428  005146  000000                    HLT                             ;BLOS FAILED
1429          000110                    N=N+1
1430  005150  122727  000110  000110    CMPB    #110,   #110    ;COMPARE #110 TO #110
1431  005156  001401                    BEQ     .+4             ;BRANCH IF EQUAL
1432  005160  000000                    HLT                             ;FAILED EQUALITY TEST
1433  005162  002001                    BGE     .+4
1434  005164  000000                    HLT                             ;BHISA FAILED
1435  005166  003401                    BLE     .+4
1436  005170  000000                    HLT                             ;BLOSA FALIED
1437  005172  103001                    BHIS    .+4
1438  005174  000000                    HLT                             ;BHIS FAILED
1439  005176  101401                    BLOS    .+4
1440  005200  000000                    HLT                             ;BLOS FAILED
1441          000111                    N=N+1
1442  005202  122727  000111  000111    CMPB    #111,   #111    ;COMPARE #111 TO #111
1443  005210  001401                    BEQ     .+4             ;BRANCH IF EQUAL
1444  005212  000000                    HLT                             ;FAILED EQUALITY TEST
1445  005214  002001                    BGE     .+4
1446  005216  000000                    HLT                             ;BHISA FAILED
1447  005220  003401                    BLE     .+4
1448  005222  000000                    HLT                             ;BLOSA FALIED
1449  005224  103001                    BHIS    .+4
1450  005226  000000                    HLT                             ;BHIS FAILED
1451  005230  101401                    BLOS    .+4
1452  005232  000000                    HLT                             ;BLOS FAILED
1453          000112                    N=N+1
1454  005234  122727  000112  000112    CMPB    #112,   #112    ;COMPARE #112 TO #112
1455  005242  001401                    BEQ     .+4             ;BRANCH IF EQUAL
1456  005244  000000                    HLT                             ;FAILED EQUALITY TEST
1457  005246  002001                    BGE     .+4
1458  005250  000000                    HLT                             ;BHISA FAILED
1459  005252  003401                    BLE     .+4
1460  005254  000000                    HLT                             ;BLOSA FALIED
1461  005256  103001                    BHIS    .+4
1462  005260  000000                    HLT                             ;BHIS FAILED
1463  005262  101401                    BLOS    .+4
1464  005264  000000                    HLT                             ;BLOS FAILED
1465          000113                    N=N+1
1466  005266  122727  000113  000113    CMPB    #113,   #113    ;COMPARE #113 TO #113
1467  005274  001401                    BEQ     .+4             ;BRANCH IF EQUAL
1468  005276  000000                    HLT                             ;FAILED EQUALITY TEST
1469  005300  002001                    BGE     .+4
1470  005302  000000                    HLT                             ;BHISA FAILED
1471  005304  003401                    BLE     .+4
1472  005306  000000                    HLT                             ;BLOSA FALIED
1473  005310  103001                    BHIS    .+4
1474  005312  000000                    HLT                             ;BHIS FAILED
1475  005314  101401                    BLOS    .+4
1476  005316  000000                    HLT                             ;BLOS FAILED
1477          000114                    N=N+1
1478  005320  122727  000114  000114    CMPB    #114,   #114    ;COMPARE #114 TO #114
1479  005326  001401                    BEQ     .+4             ;BRANCH IF EQUAL
1480  005330  000000                    HLT                             ;FAILED EQUALITY TEST
1481  005332  002001                    BGE     .+4
1482  005334  000000                    HLT                             ;BHISA FAILED
1483  005336  003401                    BLE     .+4
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1484  005340  000000                          HLT                     ;BLOSA FALIED
1485  005342  103001                          BHIS    .+4
1486  005344  000000                          HLT                     ;BHIS FAILED
1487  005346  101401                          BLOS    .+4
1488  005350  000000                          HLT                     ;BLOS FAILED
1489          000115                          N=N+1
1490  005352  122727  000115  000115          CMPB    #115,   #115    ;COMPARE #115 TO #115
1491  005360  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1492  005362  000000                          HLT                     ;FAILED EQUALITY TEST
1493  005364  002001                          BGE     .+4
1494  005366  000000                          HLT                     ;BHISA FAILED
1495  005370  003401                          BLE     .+4
1496  005372  000000                          HLT                     ;BLOSA FALIED
1497  005374  103001                          BHIS    .+4
1498  005376  000000                          HLT                     ;BHIS FAILED
1499  005400  101401                          BLOS    .+4
1500  005402  000000                          HLT                     ;BLOS FAILED
1501          000116                          N=N+1
1502  005404  122727  000116  000116          CMPB    #116,   #116    ;COMPARE #116 TO #116
1503  005412  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1504  005414  000000                          HLT                     ;FAILED EQUALITY TEST
1505  005416  002001                          BGE     .+4
1506  005420  000000                          HLT                     ;BHISA FAILED
1507  005422  003401                          BLE     .+4
1508  005424  000000                          HLT                     ;BLOSA FALIED
1509  005426  103001                          BHIS    .+4
1510  005430  000000                          HLT                     ;BHIS FAILED
1511  005432  101401                          BLOS    .+4
1512  005434  000000                          HLT                     ;BLOS FAILED
1513          000117                          N=N+1
1514  005436  122727  000117  000117          CMPB    #117,   #117    ;COMPARE #117 TO #117
1515  005444  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1516  005446  000000                          HLT                     ;FAILED EQUALITY TEST
1517  005450  002001                          BGE     .+4
1518  005452  000000                          HLT                     ;BHISA FAILED
1519  005454  003401                          BLE     .+4
1520  005456  000000                          HLT                     ;BLOSA FALIED
1521  005460  103001                          BHIS    .+4
1522  005462  000000                          HLT                     ;BHIS FAILED
1523  005464  101401                          BLOS    .+4
1524  005466  000000                          HLT                     ;BLOS FAILED
1525          000120                          N=N+1
1526  005470  122727  000120  000120          CMPB    #120,   #120    ;COMPARE #120 TO #120
1527  005476  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1528  005500  000000                          HLT                     ;FAILED EQUALITY TEST
1529  005502  002001                          BGE     .+4
1530  005504  000000                          HLT                     ;BHISA FAILED
1531  005506  003401                          BLE     .+4
1532  005510  000000                          HLT                     ;BLOSA FALIED
1533  005512  103001                          BHIS    .+4
1534  005514  000000                          HLT                     ;BHIS FAILED
1535  005516  101401                          BLOS    .+4
1536  005520  000000                          HLT                     ;BLOS FAILED
1537          000121                          N=N+1
1538  005522  122727  000121  000121          CMPB    #121,   #121    ;COMPARE #121 TO #121
1539  005530  001401                          BEQ     .+4             ;BRANCH IF EQUAL
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1540  005532  000000                        HLT                     ;FAILED EQUALITY TEST
1541  005534  002001                        BGE     .+4
1542  005536  000000                        HLT                     ;BHISA FAILED
1543  005540  003401                        BLE     .+4
1544  005542  000000                        HLT                     ;BLOSA FALIED
1545  005544  103001                        BHIS    .+4
1546  005546  000000                        HLT                     ;BHIS FAILED
1547  005550  101401                        BLOS    .+4
1548  005552  000000                        HLT                     ;BLOS FAILED
1549          000122                        N=N+1
1550  005554  122727  000122  000122        CMPB    #122,   #122    ;COMPARE #122 TO #122
1551  005562  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1552  005564  000000                        HLT                     ;FAILED EQUALITY TEST
1553  005566  002001                        BGE     .+4
1554  005570  000000                        HLT                     ;BHISA FAILED
1555  005572  003401                        BLE     .+4
1556  005574  000000                        HLT                     ;BLOSA FALIED
1557  005576  103001                        BHIS    .+4
1558  005600  000000                        HLT                     ;BHIS FAILED
1559  005602  101401                        BLOS    .+4
1560  005604  000000                        HLT                     ;BLOS FAILED
1561          000123                        N=N+1
1562  005606  122727  000123  000123        CMPB    #123,   #123    ;COMPARE #123 TO #123
1563  005614  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1564  005616  000000                        HLT                     ;FAILED EQUALITY TEST
1565  005620  002001                        BGE     .+4
1566  005622  000000                        HLT                     ;BHISA FAILED
1567  005624  003401                        BLE     .+4
1568  005626  000000                        HLT                     ;BLOSA FALIED
1569  005630  103001                        BHIS    .+4
1570  005632  000000                        HLT                     ;BHIS FAILED
1571  005634  101401                        BLOS    .+4
1572  005636  000000                        HLT                     ;BLOS FAILED
1573          000124                        N=N+1
1574  005640  122727  000124  000124        CMPB    #124,   #124    ;COMPARE #124 TO #124
1575  005646  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1576  005650  000000                        HLT                     ;FAILED EQUALITY TEST
1577  005652  002001                        BGE     .+4
1578  005654  000000                        HLT                     ;BHISA FAILED
1579  005656  003401                        BLE     .+4
1580  005660  000000                        HLT                     ;BLOSA FALIED
1581  005662  103001                        BHIS    .+4
1582  005664  000000                        HLT                     ;BHIS FAILED
1583  005666  101401                        BLOS    .+4
1584  005670  000000                        HLT                     ;BLOS FAILED
1585          000125                        N=N+1
1586  005672  122727  000125  000125        CMPB    #125,   #125    ;COMPARE #125 TO #125
1587  005700  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1588  005702  000000                        HLT                     ;FAILED EQUALITY TEST
1589  005704  002001                        BGE     .+4
1590  005706  000000                        HLT                     ;BHISA FAILED
1591  005710  003401                        BLE     .+4
1592  005712  000000                        HLT                     ;BLOSA FALIED
1593  005714  103001                        BHIS    .+4
1594  005716  000000                        HLT                     ;BHIS FAILED
1595  005720  101401                        BLOS    .+4
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1596  005722  000000                        HLT                             ;BLOS FAILED
1597          000126                        N=N+1
1598  005724  122727  000126  000126        CMPB    #126,   #126    ;COMPARE #126 TO #126
1599  005732  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1600  005734  000000                        HLT                             ;FAILED EQUALITY TEST
1601  005736  002001                        BGE     .+4
1602  005740  000000                        HLT                             ;BHISA FAILED
1603  005742  003401                        BLE     .+4
1604  005744  000000                        HLT                             ;BLOSA FALIED
1605  005746  103001                        BHIS    .+4
1606  005750  000000                        HLT                             ;BHIS FAILED
1607  005752  101401                        BLOS    .+4
1608  005754  000000                        HLT                             ;BLOS FAILED
1609          000127                        N=N+1
1610  005756  122727  000127  000127        CMPB    #127,   #127    ;COMPARE #127 TO #127
1611  005764  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1612  005766  000000                        HLT                             ;FAILED EQUALITY TEST
1613  005770  002001                        BGE     .+4
1614  005772  000000                        HLT                             ;BHISA FAILED
1615  005774  003401                        BLE     .+4
1616  005776  000000                        HLT                             ;BLOSA FALIED
1617  006000  103001                        BHIS    .+4
1618  006002  000000                        HLT                             ;BHIS FAILED
1619  006004  101401                        BLOS    .+4
1620  006006  000000                        HLT                             ;BLOS FAILED
1621          000130                        N=N+1
1622  006010  122727  000130  000130        CMPB    #130,   #130    ;COMPARE #130 TO #130
1623  006016  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1624  006020  000000                        HLT                             ;FAILED EQUALITY TEST
1625  006022  002001                        BGE     .+4
1626  006024  000000                        HLT                             ;BHISA FAILED
1627  006026  003401                        BLE     .+4
1628  006030  000000                        HLT                             ;BLOSA FALIED
1629  006032  103001                        BHIS    .+4
1630  006034  000000                        HLT                             ;BHIS FAILED
1631  006036  101401                        BLOS    .+4
1632  006040  000000                        HLT                             ;BLOS FAILED
1633          000131                        N=N+1
1634  006042  122727  000131  000131        CMPB    #131,   #131    ;COMPARE #131 TO #131
1635  006050  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1636  006052  000000                        HLT                             ;FAILED EQUALITY TEST
1637  006054  002001                        BGE     .+4
1638  006056  000000                        HLT                             ;BHISA FAILED
1639  006060  003401                        BLE     .+4
1640  006062  000000                        HLT                             ;BLOSA FALIED
1641  006064  103001                        BHIS    .+4
1642  006066  000000                        HLT                             ;BHIS FAILED
1643  006070  101401                        BLOS    .+4
1644  006072  000000                        HLT                             ;BLOS FAILED
1645          000132                        N=N+1
1646  006074  122727  000132  000132        CMPB    #132,   #132    ;COMPARE #132 TO #132
1647  006102  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1648  006104  000000                        HLT                             ;FAILED EQUALITY TEST
1649  006106  002001                        BGE     .+4
1650  006110  000000                        HLT                             ;BHISA FAILED
1651  006112  003401                        BLE     .+4
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1652  006114  000000                          HLT                             ;BLOSA FALIED
1653  006116  103001                          BHIS    .+4
1654  006120  000000                          HLT                             ;BHIS FAILED
1655  006122  101401                          BLOS    .+4
1656  006124  000000                          HLT                             ;BLOS FAILED
1657          000133                          N=N+1
1658  006126  122727  000133  000133          CMPB    #133,   #133    ;COMPARE #133 TO #133
1659  006134  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1660  006136  000000                          HLT                             ;FAILED EQUALITY TEST
1661  006140  002001                          BGE     .+4
1662  006142  000000                          HLT                             ;BHISA FAILED
1663  006144  003401                          BLE     .+4
1664  006146  000000                          HLT                             ;BLOSA FALIED
1665  006150  103001                          BHIS    .+4
1666  006152  000000                          HLT                             ;BHIS FAILED
1667  006154  101401                          BLOS    .+4
1668  006156  000000                          HLT                             ;BLOS FAILED
1669          000134                          N=N+1
1670  006160  122727  000134  000134          CMPB    #134,   #134    ;COMPARE #134 TO #134
1671  006166  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1672  006170  000000                          HLT                             ;FAILED EQUALITY TEST
1673  006172  002001                          BGE     .+4
1674  006174  000000                          HLT                             ;BHISA FAILED
1675  006176  003401                          BLE     .+4
1676  006200  000000                          HLT                             ;BLOSA FALIED
1677  006202  103001                          BHIS    .+4
1678  006204  000000                          HLT                             ;BHIS FAILED
1679  006206  101401                          BLOS    .+4
1680  006210  000000                          HLT                             ;BLOS FAILED
1681          000135                          N=N+1
1682  006212  122727  000135  000135          CMPB    #135,   #135    ;COMPARE #135 TO #135
1683  006220  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1684  006222  000000                          HLT                             ;FAILED EQUALITY TEST
1685  006224  002001                          BGE     .+4
1686  006226  000000                          HLT                             ;BHISA FAILED
1687  006230  003401                          BLE     .+4
1688  006232  000000                          HLT                             ;BLOSA FALIED
1689  006234  103001                          BHIS    .+4
1690  006236  000000                          HLT                             ;BHIS FAILED
1691  006240  101401                          BLOS    .+4
1692  006242  000000                          HLT                             ;BLOS FAILED
1693          000136                          N=N+1
1694  006244  122727  000136  000136          CMPB    #136,   #136    ;COMPARE #136 TO #136
1695  006252  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1696  006254  000000                          HLT                             ;FAILED EQUALITY TEST
1697  006256  002001                          BGE     .+4
1698  006260  000000                          HLT                             ;BHISA FAILED
1699  006262  003401                          BLE     .+4
1700  006264  000000                          HLT                             ;BLOSA FALIED
1701  006266  103001                          BHIS    .+4
1702  006270  000000                          HLT                             ;BHIS FAILED
1703  006272  101401                          BLOS    .+4
1704  006274  000000                          HLT                             ;BLOS FAILED
1705          000137                          N=N+1
1706  006276  122727  000137  000137          CMPB    #137,   #137    ;COMPARE #137 TO #137
1707  006304  001401                          BEQ     .+4             ;BRANCH IF EQUAL
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 1708  006306  000000                          HLT                             ;FAILED EQUALITY TEST
 1709  006310  002001                          BGE     .+4
 1710  006312  000000                          HLT                             ;BHISA FAILED
 1711  006314  003401                          BLE     .+4
 1712  006316  000000                          HLT                             ;BLOSA FALIED
 1713  006320  103001                          BHIS    .+4
 1714  006322  000000                          HLT                             ;BHIS FAILED
 1715  006324  101401                          BLOS    .+4
 1716  006326  000000                          HLT                             ;BLOS FAILED
 1717          000140                          N=N+1
 1718  006330  122727  000140  000140          CMPB    #140,   #140            ;COMPARE #140 TO #140
 1719  006336  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 1720  006340  000000                          HLT                             ;FAILED EQUALITY TEST
 1721  006342  002001                          BGE     .+4
 1722  006344  000000                          HLT                             ;BHISA FAILED
 1723  006346  003401                          BLE     .+4
 1724  006350  000000                          HLT                             ;BLOSA FALIED
 1725  006352  103001                          BHIS    .+4
 1726  006354  000000                          HLT                             ;BHIS FAILED
 1727  006356  101401                          BLOS    .+4
 1728  006360  000000                          HLT                             ;BLOS FAILED
 1729          000141                          N=N+1
 1730  006362  122727  000141  000141          CMPB    #141,   #141            ;COMPARE #141 TO #141
 1731  006370  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 1732  006372  000000                          HLT                             ;FAILED EQUALITY TEST
 1733  006374  002001                          BGE     .+4
 1734  006376  000000                          HLT                             ;BHISA FAILED
 1735  006400  003401                          BLE     .+4
 1736  006402  000000                          HLT                             ;BLOSA FALIED
 1737  006404  103001                          BHIS    .+4
 1738  006406  000000                          HLT                             ;BHIS FAILED
 1739  006410  101401                          BLOS    .+4
 1740  006412  000000                          HLT                             ;BLOS FAILED
 1741          000142                          N=N+1
 1742  006414  122727  000142  000142          CMPB    #142,   #142            ;COMPARE #142 TO #142
 1743  006422  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 1744  006424  000000                          HLT                             ;FAILED EQUALITY TEST
 1745  006426  002001                          BGE     .+4
 1746  006430  000000                          HLT                             ;BHISA FAILED
 1747  006432  003401                          BLE     .+4
 1748  006434  000000                          HLT                             ;BLOSA FALIED
 1749  006436  103001                          BHIS    .+4
 1750  006440  000000                          HLT                             ;BHIS FAILED
 1751  006442  101401                          BLOS    .+4
 1752  006444  000000                          HLT                             ;BLOS FAILED
 1753          000143                          N=N+1
 1754  006446  122727  000143  000143          CMPB    #143,   #143            ;COMPARE #143 TO #143
 1755  006454  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 1756  006456  000000                          HLT                             ;FAILED EQUALITY TEST
 1757  006460  002001                          BGE     .+4
 1758  006462  000000                          HLT                             ;BHISA FAILED
 1759  006464  003401                          BLE     .+4
 1760  006466  000000                          HLT                             ;BLOSA FALIED
 1761  006470  103001                          BHIS    .+4
 1762  006472  000000                          HLT                             ;BHIS FAILED
 1763  006474  101401                          BLOS    .+4
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1764  006476  000000                        HLT                             ;BLOS FAILED
1765          000144                        N=N+1
1766  006500  122727  000144  000144        CMPB    #144,   #144    ;COMPARE #144 TO #144
1767  006506  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1768  006510  000000                        HLT                             ;FAILED EQUALITY TEST
1769  006512  002001                        BGE     .+4
1770  006514  000000                        HLT                             ;BHISA FAILED
1771  006516  003401                        BLE     .+4
1772  006520  000000                        HLT                             ;BLOSA FALIED
1773  006522  103001                        BHIS    .+4
1774  006524  000000                        HLT                             ;BHIS FAILED
1775  006526  101401                        BLOS    .+4
1776  006530  000000                        HLT                             ;BLOS FAILED
1777          000145                        N=N+1
1778  006532  122727  000145  000145        CMPB    #145,   #145    ;COMPARE #145 TO #145
1779  006540  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1780  006542  000000                        HLT                             ;FAILED EQUALITY TEST
1781  006544  002001                        BGE     .+4
1782  006546  000000                        HLT                             ;BHISA FAILED
1783  006550  003401                        BLE     .+4
1784  006552  000000                        HLT                             ;BLOSA FALIED
1785  006554  103001                        BHIS    .+4
1786  006556  000000                        HLT                             ;BHIS FAILED
1787  006560  101401                        BLOS    .+4
1788  006562  000000                        HLT                             ;BLOS FAILED
1789          000146                        N=N+1
1790  006564  122727  000146  000146        CMPB    #146,   #146    ;COMPARE #146 TO #146
1791  006572  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1792  006574  000000                        HLT                             ;FAILED EQUALITY TEST
1793  006576  002001                        BGE     .+4
1794  006600  000000                        HLT                             ;BHISA FAILED
1795  006602  003401                        BLE     .+4
1796  006604  000000                        HLT                             ;BLOSA FALIED
1797  006606  103001                        BHIS    .+4
1798  006610  000000                        HLT                             ;BHIS FAILED
1799  006612  101401                        BLOS    .+4
1800  006614  000000                        HLT                             ;BLOS FAILED
1801          000147                        N=N+1
1802  006616  122727  000147  000147        CMPB    #147,   #147    ;COMPARE #147 TO #147
1803  006624  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1804  006626  000000                        HLT                             ;FAILED EQUALITY TEST
1805  006630  002001                        BGE     .+4
1806  006632  000000                        HLT                             ;BHISA FAILED
1807  006634  003401                        BLE     .+4
1808  006636  000000                        HLT                             ;BLOSA FALIED
1809  006640  103001                        BHIS    .+4
1810  006642  000000                        HLT                             ;BHIS FAILED
1811  006644  101401                        BLOS    .+4
1812  006646  000000                        HLT                             ;BLOS FAILED
1813          000150                        N=N+1
1814  006650  122727  000150  000150        CMPB    #150,   #150    ;COMPARE #150 TO #150
1815  006656  001401                        BEQ     .+4             ;BRANCH IF EQUAL
1816  006660  000000                        HLT                             ;FAILED EQUALITY TEST
1817  006662  002001                        BGE     .+4
1818  006664  000000                        HLT                             ;BHISA FAILED
1819  006666  003401                        BLE     .+4
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1820  006670  000000                          HLT                     ;BLOSA FALIED
1821  006672  103001                          BHIS    .+4
1822  006674  000000                          HLT                     ;BHIS FAILED
1823  006676  101401                          BLOS    .+4
1824  006700  000000                          HLT                     ;BLOS FAILED
1825          000151                          N=N+1
1826  006702  122727  000151  000151          CMPB    #151,   #151    ;COMPARE #151 TO #151
1827  006710  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1828  006712  000000                          HLT                     ;FAILED EQUALITY TEST
1829  006714  002001                          BGE     .+4
1830  006716  000000                          HLT                     ;BHISA FAILED
1831  006720  003401                          BLE     .+4
1832  006722  000000                          HLT                     ;BLOSA FALIED
1833  006724  103001                          BHIS    .+4
1834  006726  000000                          HLT                     ;BHIS FAILED
1835  006730  101401                          BLOS    .+4
1836  006732  000000                          HLT                     ;BLOS FAILED
1837          000152                          N=N+1
1838  006734  122727  000152  000152          CMPB    #152,   #152    ;COMPARE #152 TO #152
1839  006742  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1840  006744  000000                          HLT                     ;FAILED EQUALITY TEST
1841  006746  002001                          BGE     .+4
1842  006750  000000                          HLT                     ;BHISA FAILED
1843  006752  003401                          BLE     .+4
1844  006754  000000                          HLT                     ;BLOSA FALIED
1845  006756  103001                          BHIS    .+4
1846  006760  000000                          HLT                     ;BHIS FAILED
1847  006762  101401                          BLOS    .+4
1848  006764  000000                          HLT                     ;BLOS FAILED
1849          000153                          N=N+1
1850  006766  122727  000153  000153          CMPB    #153,   #153    ;COMPARE #153 TO #153
1851  006774  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1852  006776  000000                          HLT                     ;FAILED EQUALITY TEST
1853  007000  002001                          BGE     .+4
1854  007002  000000                          HLT                     ;BHISA FAILED
1855  007004  003401                          BLE     .+4
1856  007006  000000                          HLT                     ;BLOSA FALIED
1857  007010  103001                          BHIS    .+4
1858  007012  000000                          HLT                     ;BHIS FAILED
1859  007014  101401                          BLOS    .+4
1860  007016  000000                          HLT                     ;BLOS FAILED
1861          000154                          N=N+1
1862  007020  122727  000154  000154          CMPB    #154,   #154    ;COMPARE #154 TO #154
1863  007026  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1864  007030  000000                          HLT                     ;FAILED EQUALITY TEST
1865  007032  002001                          BGE     .+4
1866  007034  000000                          HLT                     ;BHISA FAILED
1867  007036  003401                          BLE     .+4
1868  007040  000000                          HLT                     ;BLOSA FALIED
1869  007042  103001                          BHIS    .+4
1870  007044  000000                          HLT                     ;BHIS FAILED
1871  007046  101401                          BLOS    .+4
1872  007050  000000                          HLT                     ;BLOS FAILED
1873          000155                          N=N+1
1874  007052  122727  000155  000155          CMPB    #155,   #155    ;COMPARE #155 TO #155
1875  007060  001401                          BEQ     .+4             ;BRANCH IF EQUAL
```

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1876  007062  000000                          HLT                     ;FAILED EQUALITY TEST
1877  007064  002001                          BGE     .+4
1878  007066  000000                          HLT                     ;BHISA FAILED
1879  007070  003401                          BLE     .+4
1880  007072  000000                          HLT                     ;BLOSA FALIED
1881  007074  103001                          BHIS    .+4
1882  007076  000000                          HLT                     ;BHIS FAILED
1883  007100  101401                          BLOS    .+4
1884  007102  000000                          HLT                     ;BLOS FAILED
1885          000156                          N=N+1
1886  007104  122727  000156  000156          CMPB    #156,   #156    ;COMPARE #156 TO #156
1887  007112  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1888  007114  000000                          HLT                     ;FAILED EQUALITY TEST
1889  007116  002001                          BGE     .+4
1890  007120  000000                          HLT                     ;BHISA FAILED
1891  007122  003401                          BLE     .+4
1892  007124  000000                          HLT                     ;BLOSA FALIED
1893  007126  103001                          BHIS    .+4
1894  007130  000000                          HLT                     ;BHIS FAILED
1895  007132  101401                          BLOS    .+4
1896  007134  000000                          HLT                     ;BLOS FAILED
1897          000157                          N=N+1
1898  007136  122727  000157  000157          CMPB    #157,   #157    ;COMPARE #157 TO #157
1899  007144  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1900  007146  000000                          HLT                     ;FAILED EQUALITY TEST
1901  007150  002001                          BGE     .+4
1902  007152  000000                          HLT                     ;BHISA FAILED
1903  007154  003401                          BLE     .+4
1904  007156  000000                          HLT                     ;BLOSA FALIED
1905  007160  103001                          BHIS    .+4
1906  007162  000000                          HLT                     ;BHIS FAILED
1907  007164  101401                          BLOS    .+4
1908  007166  000000                          HLT                     ;BLOS FAILED
1909          000160                          N=N+1
1910  007170  122727  000160  000160          CMPB    #160,   #160    ;COMPARE #160 TO #160
1911  007176  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1912  007200  000000                          HLT                     ;FAILED EQUALITY TEST
1913  007202  002001                          BGE     .+4
1914  007204  000000                          HLT                     ;BHISA FAILED
1915  007206  003401                          BLE     .+4
1916  007210  000000                          HLT                     ;BLOSA FALIED
1917  007212  103001                          BHIS    .+4
1918  007214  000000                          HLT                     ;BHIS FAILED
1919  007216  101401                          BLOS    .+4
1920  007220  000000                          HLT                     ;BLOS FAILED
1921          000161                          N=N+1
1922  007222  122727  000161  000161          CMPB    #161,   #161    ;COMPARE #161 TO #161
1923  007230  001401                          BEQ     .+4             ;BRANCH IF EQUAL
1924  007232  000000                          HLT                     ;FAILED EQUALITY TEST
1925  007234  002001                          BGE     .+4
1926  007236  000000                          HLT                     ;BHISA FAILED
1927  007240  003401                          BLE     .+4
1928  007242  000000                          HLT                     ;BLOSA FALIED
1929  007244  103001                          BHIS    .+4
1930  007246  000000                          HLT                     ;BHIS FAILED
1931  007250  101401                          BLOS    .+4
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 1932  007252  000000                    HLT                         ;BLOS FAILED
 1933          000162                    N=N+1
 1934  007254  122727  000162  000162    CMPB    #162,   #162        ;COMPARE #162 TO #162
 1935  007262  001401                    BEQ     .+4                 ;BRANCH IF EQUAL
 1936  007264  000000                    HLT                         ;FAILED EQUALITY TEST
 1937  007266  002001                    BGE     .+4
 1938  007270  000000                    HLT                         ;BHISA FAILED
 1939  007272  003401                    BLE     .+4
 1940  007274  000000                    HLT                         ;BLOSA FALIED
 1941  007276  103001                    BHIS    .+4
 1942  007300  000000                    HLT                         ;BHIS FAILED
 1943  007302  101401                    BLOS    .+4
 1944  007304  000000                    HLT                         ;BLOS FAILED
 1945          000163                    N=N+1
 1946  007306  122727  000163  000163    CMPB    #163,   #163        ;COMPARE #163 TO #163
 1947  007314  001401                    BEQ     .+4                 ;BRANCH IF EQUAL
 1948  007316  000000                    HLT                         ;FAILED EQUALITY TEST
 1949  007320  002001                    BGE     .+4
 1950  007322  000000                    HLT                         ;BHISA FAILED
 1951  007324  003401                    BLE     .+4
 1952  007326  000000                    HLT                         ;BLOSA FALIED
 1953  007330  103001                    BHIS    .+4
 1954  007332  000000                    HLT                         ;BHIS FAILED
 1955  007334  101401                    BLOS    .+4
 1956  007336  000000                    HLT                         ;BLOS FAILED
 1957          000164                    N=N+1
 1958  007340  122727  000164  000164    CMPB    #164,   #164        ;COMPARE #164 TO #164
 1959  007346  001401                    BEQ     .+4                 ;BRANCH IF EQUAL
 1960  007350  000000                    HLT                         ;FAILED EQUALITY TEST
 1961  007352  002001                    BGE     .+4
 1962  007354  000000                    HLT                         ;BHISA FAILED
 1963  007356  003401                    BLE     .+4
 1964  007360  000000                    HLT                         ;BLOSA FALIED
 1965  007362  103001                    BHIS    .+4
 1966  007364  000000                    HLT                         ;BHIS FAILED
 1967  007366  101401                    BLOS    .+4
 1968  007370  000000                    HLT                         ;BLOS FAILED
 1969          000165                    N=N+1
 1970  007372  122727  000165  000165    CMPB    #165,   #165        ;COMPARE #165 TO #165
 1971  007400  001401                    BEQ     .+4                 ;BRANCH IF EQUAL
 1972  007402  000000                    HLT                         ;FAILED EQUALITY TEST
 1973  007404  002001                    BGE     .+4
 1974  007406  000000                    HLT                         ;BHISA FAILED
 1975  007410  003401                    BLE     .+4
 1976  007412  000000                    HLT                         ;BLOSA FALIED
 1977  007414  103001                    BHIS    .+4
 1978  007416  000000                    HLT                         ;BHIS FAILED
 1979  007420  101401                    BLOS    .+4
 1980  007422  000000                    HLT                         ;BLOS FAILED
 1981          000166                    N=N+1
 1982  007424  122727  000166  000166    CMPB    #166,   #166        ;COMPARE #166 TO #166
 1983  007432  001401                    BEQ     .+4                 ;BRANCH IF EQUAL
 1984  007434  000000                    HLT                         ;FAILED EQUALITY TEST
 1985  007436  002001                    BGE     .+4
 1986  007440  000000                    HLT                         ;BHISA FAILED
 1987  007442  003401                    BLE     .+4
```

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1988  007444  000000                    HLT                     ;BLOSA FALIED
1989  007446  103001                    BHIS    .+4
1990  007450  000000                    HLT                     ;BHIS FAILED
1991  007452  101401                    BLOS    .+4
1992  007454  000000                    HLT                     ;BLOS FAILED
1993          000167                    N=N+1
1994  007456  122727  000167  000167    CMPB    #167,   #167    ;COMPARE #167 TO #167
1995  007464  001401                    BEQ     .+4             ;BRANCH IF EQUAL
1996  007466  000000                    HLT                     ;FAILED EQUALITY TEST
1997  007470  002001                    BGE     .+4
1998  007472  000000                    HLT                     ;BHISA FAILED
1999  007474  003401                    BLE     .+4
2000  007476  000000                    HLT                     ;BLOSA FALIED
2001  007500  103001                    BHIS    .+4
2002  007502  000000                    HLT                     ;BHIS FAILED
2003  007504  101401                    BLOS    .+4
2004  007506  000000                    HLT                     ;BLOS FAILED
2005          000170                    N=N+1
2006  007510  122727  000170  000170    CMPB    #170,   #170    ;COMPARE #170 TO #170
2007  007516  001401                    BEQ     .+4             ;BRANCH IF EQUAL
2008  007520  000000                    HLT                     ;FAILED EQUALITY TEST
2009  007522  002001                    BGE     .+4
2010  007524  000000                    HLT                     ;BHISA FAILED
2011  007526  003401                    BLE     .+4
2012  007530  000000                    HLT                     ;BLOSA FALIED
2013  007532  103001                    BHIS    .+4
2014  007534  000000                    HLT                     ;BHIS FAILED
2015  007536  101401                    BLOS    .+4
2016  007540  000000                    HLT                     ;BLOS FAILED
2017          000171                    N=N+1
2018  007542  122727  000171  000171    CMPB    #171,   #171    ;COMPARE #171 TO #171
2019  007550  001401                    BEQ     .+4             ;BRANCH IF EQUAL
2020  007552  000000                    HLT                     ;FAILED EQUALITY TEST
2021  007554  002001                    BGE     .+4
2022  007556  000000                    HLT                     ;BHISA FAILED
2023  007560  003401                    BLE     .+4
2024  007562  000000                    HLT                     ;BLOSA FALIED
2025  007564  103001                    BHIS    .+4
2026  007566  000000                    HLT                     ;BHIS FAILED
2027  007570  101401                    BLOS    .+4
2028  007572  000000                    HLT                     ;BLOS FAILED
2029          000172                    N=N+1
2030  007574  122727  000172  000172    CMPB    #172,   #172    ;COMPARE #172 TO #172
2031  007602  001401                    BEQ     .+4             ;BRANCH IF EQUAL
2032  007604  000000                    HLT                     ;FAILED EQUALITY TEST
2033  007606  002001                    BGE     .+4
2034  007610  000000                    HLT                     ;BHISA FAILED
2035  007612  003401                    BLE     .+4
2036  007614  000000                    HLT                     ;BLOSA FALIED
2037  007616  103001                    BHIS    .+4
2038  007620  000000                    HLT                     ;BHIS FAILED
2039  007622  101401                    BLOS    .+4
2040  007624  000000                    HLT                     ;BLOS FAILED
2041          000173                    N=N+1
2042  007626  122727  000173  000173    CMPB    #173,   #173    ;COMPARE #173 TO #173
2043  007634  001401                    BEQ     .+4             ;BRANCH IF EQUAL
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 2044   007636   000000                          HLT                     ;FAILED EQUALITY TEST
 2045   007640   002001                          BGE     .+4
 2046   007642   000000                          HLT                     ;BHISA FAILED
 2047   007644   003401                          BLE     .+4
 2048   007646   000000                          HLT                     ;BLOSA FALIED
 2049   007650   103001                          BHIS    .+4
 2050   007652   000000                          HLT                     ;BHIS FAILED
 2051   007654   101401                          BLOS    .+4
 2052   007656   000000                          HLT                     ;BLOS FAILED
 2053            000174                          N=N+1
 2054   007660   122727   000174  000174         CMPB    #174,   #174    ;COMPARE #174 TO #174
 2055   007666   001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2056   007670   000000                          HLT                     ;FAILED EQUALITY TEST
 2057   007672   002001                          BGE     .+4
 2058   007674   000000                          HLT                     ;BHISA FAILED
 2059   007676   003401                          BLE     .+4
 2060   007700   000000                          HLT                     ;BLOSA FALIED
 2061   007702   103001                          BHIS    .+4
 2062   007704   000000                          HLT                     ;BHIS FAILED
 2063   007706   101401                          BLOS    .+4
 2064   007710   000000                          HLT                     ;BLOS FAILED
 2065            000175                          N=N+1
 2066   007712   122727   000175  000175         CMPB    #175,   #175    ;COMPARE #175 TO #175
 2067   007720   001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2068   007722   000000                          HLT                     ;FAILED EQUALITY TEST
 2069   007724   002001                          BGE     .+4
 2070   007726   000000                          HLT                     ;BHISA FAILED
 2071   007730   003401                          BLE     .+4
 2072   007732   000000                          HLT                     ;BLOSA FALIED
 2073   007734   103001                          BHIS    .+4
 2074   007736   000000                          HLT                     ;BHIS FAILED
 2075   007740   101401                          BLOS    .+4
 2076   007742   000000                          HLT                     ;BLOS FAILED
 2077            000176                          N=N+1
 2078   007744   122727   000176  000176         CMPB    #176,   #176    ;COMPARE #176 TO #176
 2079   007752   001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2080   007754   000000                          HLT                     ;FAILED EQUALITY TEST
 2081   007756   002001                          BGE     .+4
 2082   007760   000000                          HLT                     ;BHISA FAILED
 2083   007762   003401                          BLE     .+4
 2084   007764   000000                          HLT                     ;BLOSA FALIED
 2085   007766   103001                          BHIS    .+4
 2086   007770   000000                          HLT                     ;BHIS FAILED
 2087   007772   101401                          BLOS    .+4
 2088   007774   000000                          HLT                     ;BLOS FAILED
 2089            000177                          N=N+1
 2090   007776   122727   000177  000177         CMPB    #177,   #177    ;COMPARE #177 TO #177
 2091   010004   001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2092   010006   000000                          HLT                     ;FAILED EQUALITY TEST
 2093   010010   002001                          BGE     .+4
 2094   010012   000000                          HLT                     ;BHISA FAILED
 2095   010014   003401                          BLE     .+4
 2096   010016   000000                          HLT                     ;BLOSA FALIED
 2097   010020   103001                          BHIS    .+4
 2098   010022   000000                          HLT                     ;BHIS FAILED
 2099   010024   101401                          BLOS    .+4
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2100  010026  000000                        HLT                             ;BLOS FAILED
2101          000200                        N=N+1
2102  010030  122727  000200  000200        CMPB    #200,   #200    ;COMPARE #200 TO #200
2103  010036  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2104  010040  000000                        HLT                             ;FAILED EQUALITY TEST
2105  010042  002001                        BGE     .+4
2106  010044  000000                        HLT                             ;BHISA FAILED
2107  010046  003401                        BLE     .+4
2108  010050  000000                        HLT                             ;BLOSA FALIED
2109  010052  103001                        BHIS    .+4
2110  010054  000000                        HLT                             ;BHIS FAILED
2111  010056  101401                        BLOS    .+4
2112  010060  000000                        HLT                             ;BLOS FAILED
2113          000201                        N=N+1
2114  010062  122727  000201  000201        CMPB    #201,   #201    ;COMPARE #201 TO #201
2115  010070  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2116  010072  000000                        HLT                             ;FAILED EQUALITY TEST
2117  010074  002001                        BGE     .+4
2118  010076  000000                        HLT                             ;BHISA FAILED
2119  010100  003401                        BLE     .+4
2120  010102  000000                        HLT                             ;BLOSA FALIED
2121  010104  103001                        BHIS    .+4
2122  010106  000000                        HLT                             ;BHIS FAILED
2123  010110  101401                        BLOS    .+4
2124  010112  000000                        HLT                             ;BLOS FAILED
2125          000202                        N=N+1
2126  010114  122727  000202  000202        CMPB    #202,   #202    ;COMPARE #202 TO #202
2127  010122  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2128  010124  000000                        HLT                             ;FAILED EQUALITY TEST
2129  010126  002001                        BGE     .+4
2130  010130  000000                        HLT                             ;BHISA FAILED
2131  010132  003401                        BLE     .+4
2132  010134  000000                        HLT                             ;BLOSA FALIED
2133  010136  103001                        BHIS    .+4
2134  010140  000000                        HLT                             ;BHIS FAILED
2135  010142  101401                        BLOS    .+4
2136  010144  000000                        HLT                             ;BLOS FAILED
2137          000203                        N=N+1
2138  010146  122727  000203  000203        CMPB    #203,   #203    ;COMPARE #203 TO #203
2139  010154  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2140  010156  000000                        HLT                             ;FAILED EQUALITY TEST
2141  010160  002001                        BGE     .+4
2142  010162  000000                        HLT                             ;BHISA FAILED
2143  010164  003401                        BLE     .+4
2144  010166  000000                        HLT                             ;BLOSA FALIED
2145  010170  103001                        BHIS    .+4
2146  010172  000000                        HLT                             ;BHIS FAILED
2147  010174  101401                        BLOS    .+4
2148  010176  000000                        HLT                             ;BLOS FAILED
2149          000204                        N=N+1
2150  010200  122727  000204  000204        CMPB    #204,   #204    ;COMPARE #204 TO #204
2151  010206  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2152  010210  000000                        HLT                             ;FAILED EQUALITY TEST
2153  010212  002001                        BGE     .+4
2154  010214  000000                        HLT                             ;BHISA FAILED
2155  010216  003401                        BLE     .+4
```

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 2156  010220  000000                        HLT                             ;BLOSA FALIED
 2157  010222  103001                        BHIS    .+4
 2158  010224  000000                        HLT                             ;BHIS FAILED
 2159  010226  101401                        BLOS    .+4
 2160  010230  000000                        HLT                             ;BLOS FAILED
 2161          000205                        N=N+1
 2162  010232  122727  000205  000205        CMPB    #205,   #205            ;COMPARE #205 TO #205
 2163  010240  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2164  010242  000000                        HLT                             ;FAILED EQUALITY TEST
 2165  010244  002001                        BGE     .+4
 2166  010246  000000                        HLT                             ;BHISA FAILED
 2167  010250  003401                        BLE     .+4
 2168  010252  000000                        HLT                             ;BLOSA FALIED
 2169  010254  103001                        BHIS    .+4
 2170  010256  000000                        HLT                             ;BHIS FAILED
 2171  010260  101401                        BLOS    .+4
 2172  010262  000000                        HLT                             ;BLOS FAILED
 2173          000206                        N=N+1
 2174  010264  122727  000206  000206        CMPB    #206,   #206            ;COMPARE #206 TO #206
 2175  010272  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2176  010274  000000                        HLT                             ;FAILED EQUALITY TEST
 2177  010276  002001                        BGE     .+4
 2178  010300  000000                        HLT                             ;BHISA FAILED
 2179  010302  003401                        BLE     .+4
 2180  010304  000000                        HLT                             ;BLOSA FALIED
 2181  010306  103001                        BHIS    .+4
 2182  010310  000000                        HLT                             ;BHIS FAILED
 2183  010312  101401                        BLOS    .+4
 2184  010314  000000                        HLT                             ;BLOS FAILED
 2185          000207                        N=N+1
 2186  010316  122727  000207  000207        CMPB    #207,   #207            ;COMPARE #207 TO #207
 2187  010324  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2188  010326  000000                        HLT                             ;FAILED EQUALITY TEST
 2189  010330  002001                        BGE     .+4
 2190  010332  000000                        HLT                             ;BHISA FAILED
 2191  010334  003401                        BLE     .+4
 2192  010336  000000                        HLT                             ;BLOSA FALIED
 2193  010340  103001                        BHIS    .+4
 2194  010342  000000                        HLT                             ;BHIS FAILED
 2195  010344  101401                        BLOS    .+4
 2196  010346  000000                        HLT                             ;BLOS FAILED
 2197          000210                        N=N+1
 2198  010350  122727  000210  000210        CMPB    #210,   #210            ;COMPARE #210 TO #210
 2199  010356  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2200  010360  000000                        HLT                             ;FAILED EQUALITY TEST
 2201  010362  002001                        BGE     .+4
 2202  010364  000000                        HLT                             ;BHISA FAILED
 2203  010366  003401                        BLE     .+4
 2204  010370  000000                        HLT                             ;BLOSA FALIED
 2205  010372  103001                        BHIS    .+4
 2206  010374  000000                        HLT                             ;BHIS FAILED
 2207  010376  101401                        BLOS    .+4
 2208  010400  000000                        HLT                             ;BLOS FAILED
 2209          000211                        N=N+1
 2210  010402  122727  000211  000211        CMPB    #211,   #211            ;COMPARE #211 TO #211
 2211  010410  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
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2212  010412  000000                          HLT                     ;FAILED EQUALITY TEST
2213  010414  002001                          BGE     .+4
2214  010416  000000                          HLT                     ;BHISA FAILED
2215  010420  003401                          BLE     .+4
2216  010422  000000                          HLT                     ;BLOSA FALIED
2217  010424  103001                          BHIS    .+4
2218  010426  000000                          HLT                     ;BHIS FAILED
2219  010430  101401                          BLOS    .+4
2220  010432  000000                          HLT                     ;BLOS FAILED
2221          000212                          N=N+1
2222  010434  122727  000212  000212         CMPB    #212,   #212    ;COMPARE #212 TO #212
2223  010442  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2224  010444  000000                          HLT                     ;FAILED EQUALITY TEST
2225  010446  002001                          BGE     .+4
2226  010450  000000                          HLT                     ;BHISA FAILED
2227  010452  003401                          BLE     .+4
2228  010454  000000                          HLT                     ;BLOSA FALIED
2229  010456  103001                          BHIS    .+4
2230  010460  000000                          HLT                     ;BHIS FAILED
2231  010462  101401                          BLOS    .+4
2232  010464  000000                          HLT                     ;BLOS FAILED
2233          000213                          N=N+1
2234  010466  122727  000213  000213         CMPB    #213,   #213    ;COMPARE #213 TO #213
2235  010474  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2236  010476  000000                          HLT                     ;FAILED EQUALITY TEST
2237  010500  002001                          BGE     .+4
2238  010502  000000                          HLT                     ;BHISA FAILED
2239  010504  003401                          BLE     .+4
2240  010506  000000                          HLT                     ;BLOSA FALIED
2241  010510  103001                          BHIS    .+4
2242  010512  000000                          HLT                     ;BHIS FAILED
2243  010514  101401                          BLOS    .+4
2244  010516  000000                          HLT                     ;BLOS FAILED
2245          000214                          N=N+1
2246  010520  122727  000214  000214         CMPB    #214,   #214    ;COMPARE #214 TO #214
2247  010526  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2248  010530  000000                          HLT                     ;FAILED EQUALITY TEST
2249  010532  002001                          BGE     .+4
2250  010534  000000                          HLT                     ;BHISA FAILED
2251  010536  003401                          BLE     .+4
2252  010540  000000                          HLT                     ;BLOSA FALIED
2253  010542  103001                          BHIS    .+4
2254  010544  000000                          HLT                     ;BHIS FAILED
2255  010546  101401                          BLOS    .+4
2256  010550  000000                          HLT                     ;BLOS FAILED
2257          000215                          N=N+1
2258  010552  122727  000215  000215         CMPB    #215,   #215    ;COMPARE #215 TO #215
2259  010560  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2260  010562  000000                          HLT                     ;FAILED EQUALITY TEST
2261  010564  002001                          BGE     .+4
2262  010566  000000                          HLT                     ;BHISA FAILED
2263  010570  003401                          BLE     .+4
2264  010572  000000                          HLT                     ;BLOSA FALIED
2265  010574  103001                          BHIS    .+4
2266  010576  000000                          HLT                     ;BHIS FAILED
2267  010600  101401                          BLOS    .+4
```

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2268  010602  000000                    HLT                             ;BLOS FAILED
2269          000216                    N=N+1
2270  010604  122727  000216  000216    CMPB    #216,   #216            ;COMPARE #216 TO #216
2271  010612  001401                    BEQ     .+4                     ;BRANCH IF EQUAL
2272  010614  000000                    HLT                             ;FAILED EQUALITY TEST
2273  010616  002001                    BGE     .+4
2274  010620  000000                    HLT                             ;BHISA FAILED
2275  010622  003401                    BLE     .+4
2276  010624  000000                    HLT                             ;BLOSA FALIED
2277  010626  103001                    BHIS    .+4
2278  010630  000000                    HLT                             ;BHIS FAILED
2279  010632  101401                    BLOS    .+4
2280  010634  000000                    HLT                             ;BLOS FAILED
2281          000217                    N=N+1
2282  010636  122727  000217  000217    CMPB    #217,   #217            ;COMPARE #217 TO #217
2283  010644  001401                    BEQ     .+4                     ;BRANCH IF EQUAL
2284  010646  000000                    HLT                             ;FAILED EQUALITY TEST
2285  010650  002001                    BGE     .+4
2286  010652  000000                    HLT                             ;BHISA FAILED
2287  010654  003401                    BLE     .+4
2288  010656  000000                    HLT                             ;BLOSA FALIED
2289  010660  103001                    BHIS    .+4
2290  010662  000000                    HLT                             ;BHIS FAILED
2291  010664  101401                    BLOS    .+4
2292  010666  000000                    HLT                             ;BLOS FAILED
2293          000220                    N=N+1
2294  010670  122727  000220  000220    CMPB    #220,   #220            ;COMPARE #220 TO #220
2295  010676  001401                    BEQ     .+4                     ;BRANCH IF EQUAL
2296  010700  000000                    HLT                             ;FAILED EQUALITY TEST
2297  010702  002001                    BGE     .+4
2298  010704  000000                    HLT                             ;BHISA FAILED
2299  010706  003401                    BLE     .+4
2300  010710  000000                    HLT                             ;BLOSA FALIED
2301  010712  103001                    BHIS    .+4
2302  010714  000000                    HLT                             ;BHIS FAILED
2303  010716  101401                    BLOS    .+4
2304  010720  000000                    HLT                             ;BLOS FAILED
2305          000221                    N=N+1
2306  010722  122727  000221  000221    CMPB    #221,   #221            ;COMPARE #221 TO #221
2307  010730  001401                    BEQ     .+4                     ;BRANCH IF EQUAL
2308  010732  000000                    HLT                             ;FAILED EQUALITY TEST
2309  010734  002001                    BGE     .+4
2310  010736  000000                    HLT                             ;BHISA FAILED
2311  010740  003401                    BLE     .+4
2312  010742  000000                    HLT                             ;BLOSA FALIED
2313  010744  103001                    BHIS    .+4
2314  010746  000000                    HLT                             ;BHIS FAILED
2315  010750  101401                    BLOS    .+4
2316  010752  000000                    HLT                             ;BLOS FAILED
2317          000222                    N=N+1
2318  010754  122727  000222  000222    CMPB    #222,   #222            ;COMPARE #222 TO #222
2319  010762  001401                    BEQ     .+4                     ;BRANCH IF EQUAL
2320  010764  000000                    HLT                             ;FAILED EQUALITY TEST
2321  010766  002001                    BGE     .+4
2322  010770  000000                    HLT                             ;BHISA FAILED
2323  010772  003401                    BLE     .+4
```

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2324  010774  000000                          HLT                             ;BLOSA FALIED
2325  010776  103001                          BHIS    .+4
2326  011000  000000                          HLT                             ;BHIS FAILED
2327  011002  101401                          BLOS    .+4
2328  011004  000000                          HLT                             ;BLOS FAILED
2329          000223                          N=N+1
2330  011006  122727  000223  000223          CMPB    #223,   #223            ;COMPARE #223 TO #223
2331  011014  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
2332  011016  000000                          HLT                             ;FAILED EQUALITY TEST
2333  011020  002001                          BGE     .+4
2334  011022  000000                          HLT                             ;BHISA FAILED
2335  011024  003401                          BLE     .+4
2336  011026  000000                          HLT                             ;BLOSA FALIED
2337  011030  103001                          BHIS    .+4
2338  011032  000000                          HLT                             ;BHIS FAILED
2339  011034  101401                          BLOS    .+4
2340  011036  000000                          HLT                             ;BLOS FAILED
2341          000224                          N=N+1
2342  011040  122727  000224  000224          CMPB    #224,   #224            ;COMPARE #224 TO #224
2343  011046  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
2344  011050  000000                          HLT                             ;FAILED EQUALITY TEST
2345  011052  002001                          BGE     .+4
2346  011054  000000                          HLT                             ;BHISA FAILED
2347  011056  003401                          BLE     .+4
2348  011060  000000                          HLT                             ;BLOSA FALIED
2349  011062  103001                          BHIS    .+4
2350  011064  000000                          HLT                             ;BHIS FAILED
2351  011066  101401                          BLOS    .+4
2352  011070  000000                          HLT                             ;BLOS FAILED
2353          000225                          N=N+1
2354  011072  122727  000225  000225          CMPB    #225,   #225            ;COMPARE #225 TO #225
2355  011100  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
2356  011102  000000                          HLT                             ;FAILED EQUALITY TEST
2357  011104  002001                          BGE     .+4
2358  011106  000000                          HLT                             ;BHISA FAILED
2359  011110  003401                          BLE     .+4
2360  011112  000000                          HLT                             ;BLOSA FALIED
2361  011114  103001                          BHIS    .+4
2362  011116  000000                          HLT                             ;BHIS FAILED
2363  011120  101401                          BLOS    .+4
2364  011122  000000                          HLT                             ;BLOS FAILED
2365          000226                          N=N+1
2366  011124  122727  000226  000226          CMPB    #226,   #226            ;COMPARE #226 TO #226
2367  011132  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
2368  011134  000000                          HLT                             ;FAILED EQUALITY TEST
2369  011136  002001                          BGE     .+4
2370  011140  000000                          HLT                             ;BHISA FAILED
2371  011142  003401                          BLE     .+4
2372  011144  000000                          HLT                             ;BLOSA FALIED
2373  011146  103001                          BHIS    .+4
2374  011150  000000                          HLT                             ;BHIS FAILED
2375  011152  101401                          BLOS    .+4
2376  011154  000000                          HLT                             ;BLOS FAILED
2377          000227                          N=N+1
2378  011156  122727  000227  000227          CMPB    #227,   #227            ;COMPARE #227 TO #227
2379  011164  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
```

```
2380  011166  000000                          HLT                     ;FAILED EQUALITY TEST
2381  011170  002001                          BGE     .+4
2382  011172  000000                          HLT                     ;BHISA FAILED
2383  011174  003401                          BLE     .+4
2384  011176  000000                          HLT                     ;BLOSA FALIED
2385  011200  103001                          BHIS    .+4
2386  011202  000000                          HLT                     ;BHIS FAILED
2387  011204  101401                          BLOS    .+4
2388  011206  000000                          HLT                     ;BLOS FAILED
2389           000230                         N=N+1
2390  011210  122727  000230  000230          CMPB    #230,   #230    ;COMPARE #230 TO #230
2391  011216  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2392  011220  000000                          HLT                     ;FAILED EQUALITY TEST
2393  011222  002001                          BGE     .+4
2394  011224  000000                          HLT                     ;BHISA FAILED
2395  011226  003401                          BLE     .+4
2396  011230  000000                          HLT                     ;BLOSA FALIED
2397  011232  103001                          BHIS    .+4
2398  011234  000000                          HLT                     ;BHIS FAILED
2399  011236  101401                          BLOS    .+4
2400  011240  000000                          HLT                     ;BLOS FAILED
2401           000231                         N=N+1
2402  011242  122727  000231  000231          CMPB    #231,   #231    ;COMPARE #231 TO #231
2403  011250  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2404  011252  000000                          HLT                     ;FAILED EQUALITY TEST
2405  011254  002001                          BGE     .+4
2406  011256  000000                          HLT                     ;BHISA FAILED
2407  011260  003401                          BLE     .+4
2408  011262  000000                          HLT                     ;BLOSA FALIED
2409  011264  103001                          BHIS    .+4
2410  011266  000000                          HLT                     ;BHIS FAILED
2411  011270  101401                          BLOS    .+4
2412  011272  000000                          HLT                     ;BLOS FAILED
2413           000232                         N=N+1
2414  011274  122727  000232  000232          CMPB    #232,   #232    ;COMPARE #232 TO #232
2415  011302  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2416  011304  000000                          HLT                     ;FAILED EQUALITY TEST
2417  011306  002001                          BGE     .+4
2418  011310  000000                          HLT                     ;BHISA FAILED
2419  011312  003401                          BLE     .+4
2420  011314  000000                          HLT                     ;BLOSA FALIED
2421  011316  103001                          BHIS    .+4
2422  011320  000000                          HLT                     ;BHIS FAILED
2423  011322  101401                          BLOS    .+4
2424  011324  000000                          HLT                     ;BLOS FAILED
2425           000233                         N=N+1
2426  011326  122727  000233  000233          CMPB    #233,   #233    ;COMPARE #233 TO #233
2427  011334  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2428  011336  000000                          HLT                     ;FAILED EQUALITY TEST
2429  011340  002001                          BGE     .+4
2430  011342  000000                          HLT                     ;BHISA FAILED
2431  011344  003401                          BLE     .+4
2432  011346  000000                          HLT                     ;BLOSA FALIED
2433  011350  103001                          BHIS    .+4
2434  011352  000000                          HLT                     ;BHIS FAILED
2435  011354  101401                          BLOS    .+4
```

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2436  011356  000000                          HLT                             ;BLOS FAILED
2437          000234                          N=N+1
2438  011360  122727  000234  000234          CMPB    #234,   #234    ;COMPARE #234 TO #234
2439  011366  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2440  011370  000000                          HLT                             ;FAILED EQUALITY TEST
2441  011372  002001                          BGE     .+4
2442  011374  000000                          HLT                             ;BHISA FAILED
2443  011376  003401                          BLE     .+4
2444  011400  000000                          HLT                             ;BLOSA FALIED
2445  011402  103001                          BHIS    .+4
2446  011404  000000                          HLT                             ;BHIS FAILED
2447  011406  101401                          BLOS    .+4
2448  011410  000000                          HLT                             ;BLOS FAILED
2449          000235                          N=N+1
2450  011412  122727  000235  000235          CMPB    #235,   #235    ;COMPARE #235 TO #235
2451  011420  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2452  011422  000000                          HLT                             ;FAILED EQUALITY TEST
2453  011424  002001                          BGE     .+4
2454  011426  000000                          HLT                             ;BHISA FAILED
2455  011430  003401                          BLE     .+4
2456  011432  000000                          HLT                             ;BLOSA FALIED
2457  011434  103001                          BHIS    .+4
2458  011436  000000                          HLT                             ;BHIS FAILED
2459  011440  101401                          BLOS    .+4
2460  011442  000000                          HLT                             ;BLOS FAILED
2461          000236                          N=N+1
2462  011444  122727  000236  000236          CMPB    #236,   #236    ;COMPARE #236 TO #236
2463  011452  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2464  011454  000000                          HLT                             ;FAILED EQUALITY TEST
2465  011456  002001                          BGE     .+4
2466  011460  000000                          HLT                             ;BHISA FAILED
2467  011462  003401                          BLE     .+4
2468  011464  000000                          HLT                             ;BLOSA FALIED
2469  011466  103001                          BHIS    .+4
2470  011470  000000                          HLT                             ;BHIS FAILED
2471  011472  101401                          BLOS    .+4
2472  011474  000000                          HLT                             ;BLOS FAILED
2473          000237                          N=N+1
2474  011476  122727  000237  000237          CMPB    #237,   #237    ;COMPARE #237 TO #237
2475  011504  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2476  011506  000000                          HLT                             ;FAILED EQUALITY TEST
2477  011510  002001                          BGE     .+4
2478  011512  000000                          HLT                             ;BHISA FAILED
2479  011514  003401                          BLE     .+4
2480  011516  000000                          HLT                             ;BLOSA FALIED
2481  011520  103001                          BHIS    .+4
2482  011522  000000                          HLT                             ;BHIS FAILED
2483  011524  101401                          BLOS    .+4
2484  011526  000000                          HLT                             ;BLOS FAILED
2485          000240                          N=N+1
2486  011530  122727  000240  000240          CMPB    #240,   #240    ;COMPARE #240 TO #240
2487  011536  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2488  011540  000000                          HLT                             ;FAILED EQUALITY TEST
2489  011542  002001                          BGE     .+4
2490  011544  000000                          HLT                             ;BHISA FAILED
2491  011546  003401                          BLE     .+4
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2492  011550  000000                        HLT                     ;BLOSA FALIED
2493  011552  103001                        BHIS    .+4
2494  011554  000000                        HLT                     ;BHIS FAILED
2495  011556  101401                        BLOS    .+4
2496  011560  000000                        HLT                     ;BLOS FAILED
2497          000241                        N=N+1
2498  011562  122727  000241  000241        CMPB    #241,   #241    ;COMPARE #241 TO #241
2499  011570  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2500  011572  000000                        HLT                     ;FAILED EQUALITY TEST
2501  011574  002001                        BGE     .+4
2502  011576  000000                        HLT                     ;BHISA FAILED
2503  011600  003401                        BLE     .+4
2504  011602  000000                        HLT                     ;BLOSA FALIED
2505  011604  103001                        BHIS    .+4
2506  011606  000000                        HLT                     ;BHIS FAILED
2507  011610  101401                        BLOS    .+4
2508  011612  000000                        HLT                     ;BLOS FAILED
2509          000242                        N=N+1
2510  011614  122727  000242  000242        CMPB    #242,   #242    ;COMPARE #242 TO #242
2511  011622  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2512  011624  000000                        HLT                     ;FAILED EQUALITY TEST
2513  011626  002001                        BGE     .+4
2514  011630  000000                        HLT                     ;BHISA FAILED
2515  011632  003401                        BLE     .+4
2516  011634  000000                        HLT                     ;BLOSA FALIED
2517  011636  103001                        BHIS    .+4
2518  011640  000000                        HLT                     ;BHIS FAILED
2519  011642  101401                        BLOS    .+4
2520  011644  000000                        HLT                     ;BLOS FAILED
2521          000243                        N=N+1
2522  011646  122727  000243  000243        CMPB    #243,   #243    ;COMPARE #243 TO #243
2523  011654  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2524  011656  000000                        HLT                     ;FAILED EQUALITY TEST
2525  011660  002001                        BGE     .+4
2526  011662  000000                        HLT                     ;BHISA FAILED
2527  011664  003401                        BLE     .+4
2528  011666  000000                        HLT                     ;BLOSA FALIED
2529  011670  103001                        BHIS    .+4
2530  011672  000000                        HLT                     ;BHIS FAILED
2531  011674  101401                        BLOS    .+4
2532  011676  000000                        HLT                     ;BLOS FAILED
2533          000244                        N=N+1
2534  011700  122727  000244  000244        CMPB    #244,   #244    ;COMPARE #244 TO #244
2535  011706  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2536  011710  000000                        HLT                     ;FAILED EQUALITY TEST
2537  011712  002001                        BGE     .+4
2538  011714  000000                        HLT                     ;BHISA FAILED
2539  011716  003401                        BLE     .+4
2540  011720  000000                        HLT                     ;BLOSA FALIED
2541  011722  103001                        BHIS    .+4
2542  011724  000000                        HLT                     ;BHIS FAILED
2543  011726  101401                        BLOS    .+4
2544  011730  000000                        HLT                     ;BLOS FAILED
2545          000245                        N=N+1
2546  011732  122727  000245  000245        CMPB    #245,   #245    ;COMPARE #245 TO #245
2547  011740  001401                        BEQ     .+4             ;BRANCH IF EQUAL
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2548  011742  000000                          HLT                     ;FAILED EQUALITY TEST
2549  011744  002001                          BGE     .+4
2550  011746  000000                          HLT                     ;BHISA FAILED
2551  011750  003401                          BLE     .+4
2552  011752  000000                          HLT                     ;BLOSA FALIED
2553  011754  103001                          BHIS    .+4
2554  011756  000000                          HLT                     ;BHIS FAILED
2555  011760  101401                          BLOS    .+4
2556  011762  000000                          HLT                     ;BLOS FAILED
2557          000246                          N=N+1
2558  011764  122727  000246  000246         CMPB    #246,   #246    ;COMPARE #246 TO #246
2559  011772  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2560  011774  000000                          HLT                     ;FAILED EQUALITY TEST
2561  011776  002001                          BGE     .+4
2562  012000  000000                          HLT                     ;BHISA FAILED
2563  012002  003401                          BLE     .+4
2564  012004  000000                          HLT                     ;BLOSA FALIED
2565  012006  103001                          BHIS    .+4
2566  012010  000000                          HLT                     ;BHIS FAILED
2567  012012  101401                          BLOS    .+4
2568  012014  000000                          HLT                     ;BLOS FAILED
2569          000247                          N=N+1
2570  012016  122727  000247  000247         CMPB    #247,   #247    ;COMPARE #247 TO #247
2571  012024  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2572  012026  000000                          HLT                     ;FAILED EQUALITY TEST
2573  012030  002001                          BGE     .+4
2574  012032  000000                          HLT                     ;BHISA FAILED
2575  012034  003401                          BLE     .+4
2576  012036  000000                          HLT                     ;BLOSA FALIED
2577  012040  103001                          BHIS    .+4
2578  012042  000000                          HLT                     ;BHIS FAILED
2579  012044  101401                          BLOS    .+4
2580  012046  000000                          HLT                     ;BLOS FAILED
2581          000250                          N=N+1
2582  012050  122727  000250  000250         CMPB    #250,   #250    ;COMPARE #250 TO #250
2583  012056  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2584  012060  000000                          HLT                     ;FAILED EQUALITY TEST
2585  012062  002001                          BGE     .+4
2586  012064  000000                          HLT                     ;BHISA FAILED
2587  012066  003401                          BLE     .+4
2588  012070  000000                          HLT                     ;BLOSA FALIED
2589  012072  103001                          BHIS    .+4
2590  012074  000000                          HLT                     ;BHIS FAILED
2591  012076  101401                          BLOS    .+4
2592  012100  000000                          HLT                     ;BLOS FAILED
2593          000251                          N=N+1
2594  012102  122727  000251  000251         CMPB    #251,   #251    ;COMPARE #251 TO #251
2595  012110  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2596  012112  000000                          HLT                     ;FAILED EQUALITY TEST
2597  012114  002001                          BGE     .+4
2598  012116  000000                          HLT                     ;BHISA FAILED
2599  012120  003401                          BLE     .+4
2600  012122  000000                          HLT                     ;BLOSA FALIED
2601  012124  103001                          BHIS    .+4
2602  012126  000000                          HLT                     ;BHIS FAILED
2603  012130  101401                          BLOS    .+4
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2604  012132  000000                        HLT                             ;BLOS FAILED
2605          000252                        N=N+1
2606  012134  122727  000252  000252        CMPB    #252,   #252    ;COMPARE #252 TO #252
2607  012142  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2608  012144  000000                        HLT                             ;FAILED EQUALITY TEST
2609  012146  002001                        BGE     .+4
2610  012150  000000                        HLT                             ;BHISA FAILED
2611  012152  003401                        BLE     .+4
2612  012154  000000                        HLT                             ;BLOSA FALIED
2613  012156  103001                        BHIS    .+4
2614  012160  000000                        HLT                             ;BHIS FAILED
2615  012162  101401                        BLOS    .+4
2616  012164  000000                        HLT                             ;BLOS FAILED
2617          000253                        N=N+1
2618  012166  122727  000253  000253        CMPB    #253,   #253    ;COMPARE #253 TO #253
2619  012174  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2620  012176  000000                        HLT                             ;FAILED EQUALITY TEST
2621  012200  002001                        BGE     .+4
2622  012202  000000                        HLT                             ;BHISA FAILED
2623  012204  003401                        BLE     .+4
2624  012206  000000                        HLT                             ;BLOSA FALIED
2625  012210  103001                        BHIS    .+4
2626  012212  000000                        HLT                             ;BHIS FAILED
2627  012214  101401                        BLOS    .+4
2628  012216  000000                        HLT                             ;BLOS FAILED
2629          000254                        N=N+1
2630  012220  122727  000254  000254        CMPB    #254,   #254    ;COMPARE #254 TO #254
2631  012226  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2632  012230  000000                        HLT                             ;FAILED EQUALITY TEST
2633  012232  002001                        BGE     .+4
2634  012234  000000                        HLT                             ;BHISA FAILED
2635  012236  003401                        BLE     .+4
2636  012240  000000                        HLT                             ;BLOSA FALIED
2637  012242  103001                        BHIS    .+4
2638  012244  000000                        HLT                             ;BHIS FAILED
2639  012246  101401                        BLOS    .+4
2640  012250  000000                        HLT                             ;BLOS FAILED
2641          000255                        N=N+1
2642  012252  122727  000255  000255        CMPB    #255,   #255    ;COMPARE #255 TO #255
2643  012260  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2644  012262  000000                        HLT                             ;FAILED EQUALITY TEST
2645  012264  002001                        BGE     .+4
2646  012266  000000                        HLT                             ;BHISA FAILED
2647  012270  003401                        BLE     .+4
2648  012272  000000                        HLT                             ;BLOSA FALIED
2649  012274  103001                        BHIS    .+4
2650  012276  000000                        HLT                             ;BHIS FAILED
2651  012300  101401                        BLOS    .+4
2652  012302  000000                        HLT                             ;BLOS FAILED
2653          000256                        N=N+1
2654  012304  122727  000256  000256        CMPB    #256,   #256    ;COMPARE #256 TO #256
2655  012312  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2656  012314  000000                        HLT                             ;FAILED EQUALITY TEST
2657  012316  002001                        BGE     .+4
2658  012320  000000                        HLT                             ;BHISA FAILED
2659  012322  003401                        BLE     .+4
```

```
 2660  012324  000000                          HLT                             ;BLOSA FALIED
 2661  012326  103001                          BHIS    .+4
 2662  012330  000000                          HLT                             ;BHIS FAILED
 2663  012332  101401                          BLOS    .+4
 2664  012234  000000                          HLT                             ;BLOS FAILED
 2665          000257                          N=N+1
 2666  012336  122727  000257  000257          CMPB    #257,   #257            ;COMPARE #257 TO #257
 2667  012344  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 2668  012346  000000                          HLT                             ;FAILED EQUALITY TEST
 2669  012350  002001                          BGE     .+4
 2670  012352  000000                          HLT                             ;BHISA FAILED
 2671  012354  003401                          BLE     .+4
 2672  012356  000000                          HLT                             ;BLOSA FALIED
 2673  012360  103001                          BHIS    .+4
 2674  012362  000000                          HLT                             ;BHIS FAILED
 2675  012364  101401                          BLOS    .+4
 2676  012366  000000                          HLT                             ;BLOS FAILED
 2677          000260                          N=N+1
 2678  012370  122727  000260  000260          CMPB    #260,   #260            ;COMPARE #260 TO #260
 2679  012376  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 2680  012400  000000                          HLT                             ;FAILED EQUALITY TEST
 2681  012402  002001                          BGE     .+4
 2682  012404  000000                          HLT                             ;BHISA FAILED
 2683  012406  003401                          BLE     .+4
 2684  012410  000000                          HLT                             ;BLOSA FALIED
 2685  012412  103001                          BHIS    .+4
 2686  012414  000000                          HLT                             ;BHIS FAILED
 2687  012416  101401                          BLOS    .+4
 2688  012420  000000                          HLT                             ;BLOS FAILED
 2689          000261                          N=N+1
 2690  012422  122727  000261  000261          CMPB    #261,   #261            ;COMPARE #261 TO #261
 2691  012430  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 2692  012432  000000                          HLT                             ;FAILED EQUALITY TEST
 2693  012434  002001                          BGE     .+4
 2694  012436  000000                          HLT                             ;BHISA FAILED
 2695  012440  003401                          BLE     .+4
 2696  012442  000000                          HLT                             ;BLOSA FALIED
 2697  012444  103001                          BHIS    .+4
 2698  012446  000000                          HLT                             ;BHIS FAILED
 2699  012450  101401                          BLOS    .+4
 2700  012452  000000                          HLT                             ;BLOS FAILED
 2701          000262                          N=N+1
 2702  012454  122727  000262  000262          CMPB    #262,   #262            ;COMPARE #262 TO #262
 2703  012462  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
 2704  012464  000000                          HLT                             ;FAILED EQUALITY TEST
 2705  012466  002001                          BGE     .+4
 2706  012470  000000                          HLT                             ;BHISA FAILED
 2707  012472  003401                          BLE     .+4
 2708  012474  000000                          HLT                             ;BLOSA FALIED
 2709  012476  103001                          BHIS    .+4
 2710  012500  000000                          HLT                             ;BHIS FAILED
 2711  012502  101401                          BLOS    .+4
 2712  012504  000000                          HLT                             ;BLOS FAILED
 2713          000263                          N=N+1
 2714  012506  122727  000263  000263          CMPB    #263,   #263            ;COMPARE #263 TO #263
 2715  012514  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
```

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 2716  012516  000000                        HLT                     ;FAILED EQUALITY TEST
 2717  012520  002001                        BGE     .+4
 2718  012522  000000                        HLT                     ;BHISA FAILED
 2719  012524  003401                        BLE     .+4
 2720  012526  000000                        HLT                     ;BLOSA FALIED
 2721  012530  103001                        BHIS    .+4
 2722  012532  000000                        HLT                     ;BHIS FAILED
 2723  012534  101401                        BLOS    .+4
 2724  012536  000000                        HLT                     ;BLOS FAILED
 2725          000264                        N=N+1
 2726  012540  122727  000264  000264        CMPB    #264,   #264    ;COMPARE #264 TO #264
 2727  012546  001401                        BEQ     .+4             ;BRANCH IF EQUAL
 2728  012550  000000                        HLT                     ;FAILED EQUALITY TEST
 2729  012552  002001                        BGE     .+4
 2730  012554  000000                        HLT                     ;BHISA FAILED
 2731  012556  003401                        BLE     .+4
 2732  012560  000000                        HLT                     ;BLOSA FALIED
 2733  012562  103001                        BHIS    .+4
 2734  012564  000000                        HLT                     ;BHIS FAILED
 2735  012566  101401                        BLOS    .+4
 2736  012570  000000                        HLT                     ;BLOS FAILED
 2737          000265                        N=N+1
 2738  012572  122727  000265  000265        CMPB    #265,   #265    ;COMPARE #265 TO #265
 2739  012600  001401                        BEQ     .+4             ;BRANCH IF EQUAL
 2740  012602  000000                        HLT                     ;FAILED EQUALITY TEST
 2741  012604  002001                        BGE     .+4
 2742  012606  000000                        HLT                     ;BHISA FAILED
 2743  012610  003401                        BLE     .+4
 2744  012612  000000                        HLT                     ;BLOSA FALIED
 2745  012614  103001                        BHIS    .+4
 2746  012616  000000                        HLT                     ;BHIS FAILED
 2747  012620  101401                        BLOS    .+4
 2748  012622  000000                        HLT                     ;BLOS FAILED
 2749          000266                        N=N+1
 2750  012624  122727  000266  000266        CMPB    #266,   #266    ;COMPARE #266 TO #266
 2751  012632  001401                        BEQ     .+4             ;BRANCH IF EQUAL
 2752  012634  000000                        HLT                     ;FAILED EQUALITY TEST
 2753  012636  002001                        BGE     .+4
 2754  012640  000000                        HLT                     ;BHISA FAILED
 2755  012642  003401                        BLE     .+4
 2756  012644  000000                        HLT                     ;BLOSA FALIED
 2757  012646  103001                        BHIS    .+4
 2758  012650  000000                        HLT                     ;BHIS FAILED
 2759  012652  101401                        BLOS    .+4
 2760  012654  000000                        HLT                     ;BLOS FAILED
 2761          000267                        N=N+1
 2762  012656  122727  000267  000267        CMPB    #267,   #267    ;COMPARE #267 TO #267
 2763  012664  001401                        BEQ     .+4             ;BRANCH IF EQUAL
 2764  012666  000000                        HLT                     ;FAILED EQUALITY TEST
 2765  012670  002001                        BGE     .+4
 2766  012672  000000                        HLT                     ;BHISA FAILED
 2767  012674  003401                        BLE     .+4
 2768  012676  000000                        HLT                     ;BLOSA FALIED
 2769  012700  103001                        BHIS    .+4
 2770  012702  000000                        HLT                     ;BHIS FAILED
 2771  012704  101401                        BLOS    .+4
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2772  012706  000000                        HLT                             ;BLOS FAILED
2773          000270                        N=N+1
2774  012710  122727  000270  000270        CMPB    #270,   #270    ;COMPARE #270 TO #270
2775  012716  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2776  012720  000000                        HLT                             ;FAILED EQUALITY TEST
2777  012722  002001                        BGE     .+4
2778  012724  000000                        HLT                             ;BHISA FAILED
2779  012726  003401                        BLE     .+4
2780  012730  000000                        HLT                             ;BLOSA FALIED
2781  012732  103001                        BHIS    .+4
2782  012734  000000                        HLT                             ;BHIS FAILED
2783  012736  101401                        BLOS    .+4
2784  012740  000000                        HLT                             ;BLOS FAILED
2785          000271                        N=N+1
2786  012742  122727  000271  000271        CMPB    #271,   #271    ;COMPARE #271 TO #271
2787  012750  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2788  012752  000000                        HLT                             ;FAILED EQUALITY TEST
2789  012754  002001                        BGE     .+4
2790  012756  000000                        HLT                             ;BHISA FAILED
2791  012760  003401                        BLE     .+4
2792  012762  000000                        HLT                             ;BLOSA FALIED
2793  012764  103001                        BHIS    .+4
2794  012766  000000                        HLT                             ;BHIS FAILED
2795  012770  101401                        BLOS    .+4
2796  012772  000000                        HLT                             ;BLOS FAILED
2797          000272                        N=N+1
2798  012774  122727  000272  000272        CMPB    #272,   #272    ;COMPARE #272 TO #272
2799  013002  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2800  013004  000000                        HLT                             ;FAILED EQUALITY TEST
2801  013006  002001                        BGE     .+4
2802  013010  000000                        HLT                             ;BHISA FAILED
2803  013012  003401                        BLE     .+4
2804  013014  000000                        HLT                             ;BLOSA FALIED
2805  013016  103001                        BHIS    .+4
2806  013020  000000                        HLT                             ;BHIS FAILED
2807  013022  101401                        BLOS    .+4
2808  013024  000000                        HLT                             ;BLOS FAILED
2809          000273                        N=N+1
2810  013026  122727  000273  000273        CMPB    #273,   #273    ;COMPARE #273 TO #273
2811  013034  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2812  013036  000000                        HLT                             ;FAILED EQUALITY TEST
2813  013040  002001                        BGE     .+4
2814  013042  000000                        HLT                             ;BHISA FAILED
2815  013044  003401                        BLE     .+4
2816  013046  000000                        HLT                             ;BLOSA FALIED
2817  013050  103001                        BHIS    .+4
2818  013052  000000                        HLT                             ;BHIS FAILED
2819  013054  101401                        BLOS    .+4
2820  013056  000000                        HLT                             ;BLOS FAILED
2821          000274                        N=N+1
2822  013060  122727  000274  000274        CMPB    #274,   #274    ;COMPARE #274 TO #274
2823  013066  001401                        BEQ     .+4             ;BRANCH IF EQUAL
2824  013070  000000                        HLT                             ;FAILED EQUALITY TEST
2825  013072  002001                        BGE     .+4
2826  013074  000000                        HLT                             ;BHISA FAILED
2827  013076  003401                        BLE     .+4
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2828  013100  000000                          HLT                     ;BLOSA FALIED
2829  013102  103001                          BHIS    .+4
2830  013104  000000                          HLT                     ;BHIS FAILED
2831  013106  101401                          BLOS    .+4
2832  013110  000000                          HLT                     ;BLOS FAILED
2833          000275                          N=N+1
2834  013112  122727  000275  000275          CMPB    #275,   #275    ;COMPARE #275 TO #275
2835  013120  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2836  013122  000000                          HLT                     ;FAILED EQUALITY TEST
2837  013124  002001                          BGE     .+4
2838  013126  000000                          HLT                     ;BHISA FAILED
2839  013130  003401                          BLE     .+4
2840  013132  000000                          HLT                     ;BLOSA FALIED
2841  013134  103001                          BHIS    .+4
2842  013136  000000                          HLT                     ;BHIS FAILED
2843  013140  101401                          BLOS    .+4
2844  013142  000000                          HLT                     ;BLOS FAILED
2845          000276                          N=N+1
2846  013144  122727  000276  000276          CMPB    #276,   #276    ;COMPARE #276 TO #276
2847  013152  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2848  013154  000000                          HLT                     ;FAILED EQUALITY TEST
2849  013156  002001                          BGE     .+4
2850  013160  000000                          HLT                     ;BHISA FAILED
2851  013162  003401                          BLE     .+4
2852  013164  000000                          HLT                     ;BLOSA FALIED
2853  013166  103001                          BHIS    .+4
2854  013170  000000                          HLT                     ;BHIS FAILED
2855  013172  101401                          BLOS    .+4
2856  013174  000000                          HLT                     ;BLOS FAILED
2857          000277                          N=N+1
2858  013176  122727  000277  000277          CMPB    #277,   #277    ;COMPARE #277 TO #277
2859  013204  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2860  013206  000000                          HLT                     ;FAILED EQUALITY TEST
2861  013210  002001                          BGE     .+4
2862  013212  000000                          HLT                     ;BHISA FAILED
2863  013214  003401                          BLE     .+4
2864  013216  000000                          HLT                     ;BLOSA FALIED
2865  013220  103001                          BHIS    .+4
2866  013222  000000                          HLT                     ;BHIS FAILED
2867  013224  101401                          BLOS    .+4
2868  013226  000000                          HLT                     ;BLOS FAILED
2869          000300                          N=N+1
2870  013230  122727  000300  000300          CMPB    #300,   #300    ;COMPARE #300 TO #300
2871  013236  001401                          BEQ     .+4             ;BRANCH IF EQUAL
2872  013240  000000                          HLT                     ;FAILED EQUALITY TEST
2873  013242  002001                          BGE     .+4
2874  013244  000000                          HLT                     ;BHISA FAILED
2875  013246  003401                          BLE     .+4
2876  013250  000000                          HLT                     ;BLOSA FALIED
2877  013252  103001                          BHIS    .+4
2878  013254  000000                          HLT                     ;BHIS FAILED
2879  013256  101401                          BLOS    .+4
2880  013260  000000                          HLT                     ;BLOS FAILED
2881          000301                          N=N+1
2882  013262  122727  000301  000301          CMPB    #301,   #301    ;COMPARE #301 TO #301
2883  013270  001401                          BEQ     .+4             ;BRANCH IF EQUAL
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 2884  013272  000000                        HLT                             ;FAILED EQUALITY TEST
 2885  013274  002001                        BGE     .+4
 2886  013276  000000                        HLT                             ;BHISA FAILED
 2887  013300  003401                        BLE     .+4
 2888  013302  000000                        HLT                             ;BLOSA FALIED
 2889  013304  103001                        BHIS    .+4
 2890  013306  000000                        HLT                             ;BHIS FAILED
 2891  013310  101401                        BLOS    .+4
 2892  013312  000000                        HLT                             ;BLOS FAILED
 2893          000302                        N=N+1
 2894  013314  122727  000302  000302        CMPB    #302,   #302            ;COMPARE #302 TO #302
 2895  013322  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2896  013324  000000                        HLT                             ;FAILED EQUALITY TEST
 2897  013326  002001                        BGE     .+4
 2898  013330  000000                        HLT                             ;BHISA FAILED
 2899  013332  003401                        BLE     .+4
 2900  013334  000000                        HLT                             ;BLOSA FALIED
 2901  013336  103001                        BHIS    .+4
 2902  013340  000000                        HLT                             ;BHIS FAILED
 2903  013342  101401                        BLOS    .+4
 2904  013344  000000                        HLT                             ;BLOS FAILED
 2905          000303                        N=N+1
 2906  013346  122727  000303  000303        CMPB    #303,   #303            ;COMPARE #303 TO #303
 2907  013354  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2908  013356  000000                        HLT                             ;FAILED EQUALITY TEST
 2909  013360  002001                        BGE     .+4
 2910  013362  000000                        HLT                             ;BHISA FAILED
 2911  013364  003401                        BLE     .+4
 2912  013366  000000                        HLT                             ;BLOSA FALIED
 2913  013370  103001                        BHIS    .+4
 2914  013372  000000                        HLT                             ;BHIS FAILED
 2915  013374  101401                        BLOS    .+4
 2916  013376  000000                        HLT                             ;BLOS FAILED
 2917          000304                        N=N+1
 2918  013400  122727  000304  000304        CMPB    #304,   #304            ;COMPARE #304 TO #304
 2919  013406  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2920  013410  000000                        HLT                             ;FAILED EQUALITY TEST
 2921  013412  002001                        BGE     .+4
 2922  013414  000000                        HLT                             ;BHISA FAILED
 2923  013416  003401                        BLE     .+4
 2924  013420  000000                        HLT                             ;BLOSA FALIED
 2925  013422  103001                        BHIS    .+4
 2926  013424  000000                        HLT                             ;BHIS FAILED
 2927  013426  101401                        BLOS    .+4
 2928  013430  000000                        HLT                             ;BLOS FAILED
 2929          000305                        N=N+1
 2930  013432  122727  000305  000305        CMPB    #305,   #305            ;COMPARE #305 TO #305
 2931  013440  001401                        BEQ     .+4                     ;BRANCH IF EQUAL
 2932  013442  000000                        HLT                             ;FAILED EQUALITY TEST
 2933  013444  002001                        BGE     .+4
 2934  013446  000000                        HLT                             ;BHISA FAILED
 2935  013450  003401                        BLE     .+4
 2936  013452  000000                        HLT                             ;BLOSA FALIED
 2937  013454  103001                        BHIS    .+4
 2938  013456  000000                        HLT                             ;BHIS FAILED
 2939  013460  101401                        BLOS    .+4
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 2940  013462  000000                          HLT                             ;BLOS FAILED
 2941          000306                          N=N+1
 2942  013464  122727  000306  000306          CMPB    #306,   #306    ;COMPARE #306 TO #306
 2943  013472  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2944  013474  000000                          HLT                             ;FAILED EQUALITY TEST
 2945  013476  002001                          BGE     .+4
 2946  013500  000000                          HLT                             ;BHISA FAILED
 2947  013502  003401                          BLE     .+4
 2948  013504  000000                          HLT                             ;BLOSA FALIED
 2949  013506  103001                          BHIS    .+4
 2950  013510  000000                          HLT                             ;BHIS FAILED
 2951  013512  101401                          BLOS    .+4
 2952  013514  000000                          HLT                             ;BLOS FAILED
 2953          000307                          N=N+1
 2954  013516  122727  000307  000307          CMPB    #307,   #307    ;COMPARE #307 TO #307
 2955  013524  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2956  013526  000000                          HLT                             ;FAILED EQUALITY TEST
 2957  013530  002001                          BGE     .+4
 2958  013532  000000                          HLT                             ;BHISA FAILED
 2959  013534  003401                          BLE     .+4
 2960  013536  000000                          HLT                             ;BLOSA FALIED
 2961  013540  103001                          BHIS    .+4
 2962  013542  000000                          HLT                             ;BHIS FAILED
 2963  013544  101401                          BLOS    .+4
 2964  013546  000000                          HLT                             ;BLOS FAILED
 2965          000310                          N=N+1
 2966  013550  122727  000310  000310          CMPB    #310,   #310    ;COMPARE #310 TO #310
 2967  013556  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2968  013560  000000                          HLT                             ;FAILED EQUALITY TEST
 2969  013562  002001                          BGE     .+4
 2970  013564  000000                          HLT                             ;BHISA FAILED
 2971  013566  003401                          BLE     .+4
 2972  013570  000000                          HLT                             ;BLOSA FALIED
 2973  013572  103001                          BHIS    .+4
 2974  013574  000000                          HLT                             ;BHIS FAILED
 2975  013576  101401                          BLOS    .+4
 2976  013600  000000                          HLT                             ;BLOS FAILED
 2977          000311                          N=N+1
 2978  013602  122727  000311  000311          CMPB    #311,   #311    ;COMPARE #311 TO #311
 2979  013610  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2980  013612  000000                          HLT                             ;FAILED EQUALITY TEST
 2981  013614  002001                          BGE     .+4
 2982  013616  000000                          HLT                             ;BHISA FAILED
 2983  013620  003401                          BLE     .+4
 2984  013622  000000                          HLT                             ;BLOSA FALIED
 2985  013624  103001                          BHIS    .+4
 2986  013626  000000                          HLT                             ;BHIS FAILED
 2987  013630  101401                          BLOS    .+4
 2988  013632  000000                          HLT                             ;BLOS FAILED
 2989          000312                          N=N+1
 2990  013634  122727  000312  000312          CMPB    #312,   #312    ;COMPARE #312 TO #312
 2991  013642  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 2992  013644  000000                          HLT                             ;FAILED EQUALITY TEST
 2993  013646  002001                          BGE     .+4
 2994  013650  000000                          HLT                             ;BHISA FAILED
 2995  013652  003401                          BLE     .+4
```

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 2996  013654  000000                          HLT                             ;BLOSA FALIED
 2997  013656  103001                          BHIS    .+4
 2998  013660  000000                          HLT                             ;BHIS FAILED
 2999  013662  101401                          BLOS    .+4
 3000  013664  000000                          HLT                             ;BLOS FAILED
 3001          000313                          N=N+1
 3002  013666  122727  000313  000313          CMPB    #313,   #313    ;COMPARE #313 TO #313
 3003  013674  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3004  013676  000000                          HLT                             ;FAILED EQUALITY TEST
 3005  013700  002001                          BGE     .+4
 3006  013702  000000                          HLT                             ;BHISA FAILED
 3007  013704  003401                          BLE     .+4
 3008  013706  000000                          HLT                             ;BLOSA FALIED
 3009  013710  103001                          BHIS    .+4
 3010  013712  000000                          HLT                             ;BHIS FAILED
 3011  013714  101401                          BLOS    .+4
 3012  013716  000000                          HLT                             ;BLOS FAILED
 3013          000314                          N=N+1
 3014  013720  122727  000314  000314          CMPB    #314,   #314    ;COMPARE #314 TO #314
 3015  013726  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3016  013730  000000                          HLT                             ;FAILED EQUALITY TEST
 3017  013732  002001                          BGE     .+4
 3018  013734  000000                          HLT                             ;BHISA FAILED
 3019  013736  003401                          BLE     .+4
 3020  013740  000000                          HLT                             ;BLOSA FALIED
 3021  013742  103001                          BHIS    .+4
 3022  013744  000000                          HLT                             ;BHIS FAILED
 3023  013746  101401                          BLOS    .+4
 3024  013750  000000                          HLT                             ;BLOS FAILED
 3025          000315                          N=N+1
 3026  013752  122727  000315  000315          CMPB    #315,   #315    ;COMPARE #315 TO #315
 3027  013760  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3028  013762  000000                          HLT                             ;FAILED EQUALITY TEST
 3029  013764  002001                          BGE     .+4
 3030  013766  000000                          HLT                             ;BHISA FAILED
 3031  013770  003401                          BLE     .+4
 3032  013772  000000                          HLT                             ;BLOSA FALIED
 3033  013774  103001                          BHIS    .+4
 3034  013776  000000                          HLT                             ;BHIS FAILED
 3035  014000  101401                          BLOS    .+4
 3036  014002  000000                          HLT                             ;BLOS FAILED
 3037          000316                          N=N+1
 3038  014004  122727  000316  000316          CMPB    #316,   #316    ;COMPARE #316 TO #316
 3039  014012  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3040  014014  000000                          HLT                             ;FAILED EQUALITY TEST
 3041  014016  002001                          BGE     .+4
 3042  014020  000000                          HLT                             ;BHISA FAILED
 3043  014022  003401                          BLE     .+4
 3044  014024  000000                          HLT                             ;BLOSA FALIED
 3045  014026  103001                          BHIS    .+4
 3046  014030  000000                          HLT                             ;BHIS FAILED
 3047  014032  101401                          BLOS    .+4
 3048  014034  000000                          HLT                             ;BLOS FAILED
 3049          000317                          N=N+1
 3050  014036  122727  000317  000317          CMPB    #317,   #317    ;COMPARE #317 TO #317
 3051  014044  001401                          BEQ     .+4             ;BRANCH IF EQUAL
```

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3052  014046  000000                          HLT                     ;FAILED EQUALITY TEST
3053  014050  002001                          BGE     .+4
3054  014052  000000                          HLT                     ;BHISA FAILED
3055  014054  003401                          BLE     .+4
3056  014056  000000                          HLT                     ;BLOSA FALIED
3057  014060  103001                          BHIS    .+4
3058  014062  000000                          HLT                     ;BHIS FAILED
3059  014064  101401                          BLOS    .+4
3060  014066  000000                          HLT                     ;BLOS FAILED
3061          000320                          N=N+1
3062  014070  122727  000320  000320          CMPB    #320,   #320    ;COMPARE #320 TO #320
3063  014076  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3064  014100  000000                          HLT                     ;FAILED EQUALITY TEST
3065  014102  002001                          BGE     .+4
3066  014104  000000                          HLT                     ;BHISA FAILED
3067  014106  003401                          BLE     .+4
3068  014110  000000                          HLT                     ;BLOSA FALIED
3069  014112  103001                          BHIS    .+4
3070  014114  000000                          HLT                     ;BHIS FAILED
3071  014116  101401                          BLOS    .+4
3072  014120  000000                          HLT                     ;BLOS FAILED
3073          000321                          N=N+1
3074  014122  122727  000321  000321          CMPB    #321,   #321    ;COMPARE #321 TO #321
3075  014130  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3076  014132  000000                          HLT                     ;FAILED EQUALITY TEST
3077  014134  002001                          BGE     .+4
3078  014136  000000                          HLT                     ;BHISA FAILED
3079  014140  003401                          BLE     .+4
3080  014142  000000                          HLT                     ;BLOSA FALIED
3081  014144  103001                          BHIS    .+4
3082  014146  000000                          HLT                     ;BHIS FAILED
3083  014150  101401                          BLOS    .+4
3084  014152  000000                          HLT                     ;BLOS FAILED
3085          000322                          N=N+1
3086  014154  122727  000322  000322          CMPB    #322,   #322    ;COMPARE #322 TO #322
3087  014162  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3088  014164  000000                          HLT                     ;FAILED EQUALITY TEST
3089  014166  002001                          BGE     .+4
3090  014170  000000                          HLT                     ;BHISA FAILED
3091  014172  003401                          BLE     .+4
3092  014174  000000                          HLT                     ;BLOSA FALIED
3093  014176  103001                          BHIS    .+4
3094  014200  000000                          HLT                     ;BHIS FAILED
3095  014202  101401                          BLOS    .+4
3096  014204  000000                          HLT                     ;BLOS FAILED
3097          000323                          N=N+1
3098  014206  122727  000323  000323          CMPB    #323,   #323    ;COMPARE #323 TO #323
3099  014214  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3100  014216  000000                          HLT                     ;FAILED EQUALITY TEST
3101  014220  002001                          BGE     .+4
3102  014222  000000                          HLT                     ;BHISA FAILED
3103  014224  003401                          BLE     .+4
3104  014226  000000                          HLT                     ;BLOSA FALIED
3105  014230  103001                          BHIS    .+4
3106  014232  000000                          HLT                     ;BHIS FAILED
3107  014234  101401                          BLOS    .+4
```

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3108  014236  000000                          HLT                             ;BLOS FAILED
3109          000324                          N=N+1
3110  014240  122727  000324  000324          CMPB    #324,   #324    ;COMPARE #324 TO #324
3111  014246  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3112  014250  000000                          HLT                             ;FAILED EQUALITY TEST
3113  014252  002001                          BGE     .+4
3114  014254  000000                          HLT                             ;BHISA FAILED
3115  014256  003401                          BLE     .+4
3116  014260  000000                          HLT                             ;BLOSA FALIED
3117  014262  103001                          BHIS    .+4
3118  014264  000000                          HLT                             ;BHIS FAILED
3119  014266  101401                          BLOS    .+4
3120  014270  000000                          HLT                             ;BLOS FAILED
3121          000325                          N=N+1
3122  014272  122727  000325  000325          CMPB    #325,   #325    ;COMPARE #325 TO #325
3123  014300  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3124  014302  000000                          HLT                             ;FAILED EQUALITY TEST
3125  014304  002001                          BGE     .+4
3126  014306  000000                          HLT                             ;BHISA FAILED
3127  014310  003401                          BLE     .+4
3128  014312  000000                          HLT                             ;BLOSA FALIED
3129  014314  103001                          BHIS    .+4
3130  014316  000000                          HLT                             ;BHIS FAILED
3131  014320  101401                          BLOS    .+4
3132  014322  000000                          HLT                             ;BLOS FAILED
3133          000326                          N=N+1
3134  014324  122727  000326  000326          CMPB    #326,   #326    ;COMPARE #326 TO #326
3135  014332  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3136  014334  000000                          HLT                             ;FAILED EQUALITY TEST
3137  014336  002001                          BGE     .+4
3138  014340  000000                          HLT                             ;BHISA FAILED
3139  014342  003401                          BLE     .+4
3140  014344  000000                          HLT                             ;BLOSA FALIED
3141  014346  103001                          BHIS    .+4
3142  014350  000000                          HLT                             ;BHIS FAILED
3143  014352  101401                          BLOS    .+4
3144  014354  000000                          HLT                             ;BLOS FAILED
3145          000327                          N=N+1
3146  014356  122727  000327  000327          CMPB    #327,   #327    ;COMPARE #327 TO #327
3147  014364  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3148  014366  000000                          HLT                             ;FAILED EQUALITY TEST
3149  014370  002001                          BGE     .+4
3150  014372  000000                          HLT                             ;BHISA FAILED
3151  014374  003401                          BLE     .+4
3152  014376  000000                          HLT                             ;BLOSA FALIED
3153  014400  103001                          BHIS    .+4
3154  014402  000000                          HLT                             ;BHIS FAILED
3155  014404  101401                          BLOS    .+4
3156  014406  000000                          HLT                             ;BLOS FAILED
3157          000330                          N=N+1
3158  014410  122727  000330  000330          CMPB    #330,   #330    ;COMPARE #330 TO #330
3159  014416  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3160  014420  000000                          HLT                             ;FAILED EQUALITY TEST
3161  014422  002001                          BGE     .+4
3162  014424  000000                          HLT                             ;BHISA FAILED
3163  014426  003401                          BLE     .+4
```

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3164  014430  000000                          HLT                             ;BLOSA FALIED
3165  014432  103001                          BHIS    .+4
3166  014434  000000                          HLT                             ;BHIS FAILED
3167  014436  101401                          BLOS    .+4
3168  014440  000000                          HLT                             ;BLOS FAILED
3169          000331                          N=N+1
3170  014442  122727  000331  000331          CMPB    #331,   #331            ;COMPARE #331 TO #331
3171  014450  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3172  014452  000000                          HLT                             ;FAILED EQUALITY TEST
3173  014454  002001                          BGE     .+4
3174  014456  000000                          HLT                             ;BHISA FAILED
3175  014460  003401                          BLE     .+4
3176  014462  000000                          HLT                             ;BLOSA FALIED
3177  014464  103001                          BHIS    .+4
3178  014466  000000                          HLT                             ;BHIS FAILED
3179  014470  101401                          BLOS    .+4
3180  014472  000000                          HLT                             ;BLOS FAILED
3181          000332                          N=N+1
3182  014474  122727  000332  000332          CMPB    #332,   #332            ;COMPARE #332 TO #332
3183  014502  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3184  014504  000000                          HLT                             ;FAILED EQUALITY TEST
3185  014506  002001                          BGE     .+4
3186  014510  000000                          HLT                             ;BHISA FAILED
3187  014512  003401                          BLE     .+4
3188  014514  000000                          HLT                             ;BLOSA FALIED
3189  014516  103001                          BHIS    .+4
3190  014520  000000                          HLT                             ;BHIS FAILED
3191  014522  101401                          BLOS    .+4
3192  014524  000000                          HLT                             ;BLOS FAILED
3193          000333                          N=N+1
3194  014526  122727  000333  000333          CMPB    #333,   #333            ;COMPARE #333 TO #333
3195  014534  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3196  014536  000000                          HLT                             ;FAILED EQUALITY TEST
3197  014540  002001                          BGE     .+4
3198  014542  000000                          HLT                             ;BHISA FAILED
3199  014544  003401                          BLE     .+4
3200  014546  000000                          HLT                             ;BLOSA FALIED
3201  014550  103001                          BHIS    .+4
3202  014552  000000                          HLT                             ;BHIS FAILED
3203  014554  101401                          BLOS    .+4
3204  014556  000000                          HLT                             ;BLOS FAILED
3205          000334                          N=N+1
3206  014560  122727  000334  000334          CMPB    #334,   #334            ;COMPARE #334 TO #334
3207  014566  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3208  014570  000000                          HLT                             ;FAILED EQUALITY TEST
3209  014572  002001                          BGE     .+4
3210  014574  000000                          HLT                             ;BHISA FAILED
3211  014576  003401                          BLE     .+4
3212  014600  000000                          HLT                             ;BLOSA FALIED
3213  014602  103001                          BHIS    .+4
3214  014604  000000                          HLT                             ;BHIS FAILED
3215  014606  101401                          BLOS    .+4
3216  014610  000000                          HLT                             ;BLOS FAILED
3217          000335                          N=N+1
3218  014612  122727  000335  000335          CMPB    #335,   #335            ;COMPARE #335 TO #335
3219  014620  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
```

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3220  014622  000000                          HLT                     ;FAILED EQUALITY TEST
3221  014624  002001                          BGE     .+4
3222  014626  000000                          HLT                     ;BHISA FAILED
3223  014630  003401                          BLE     .+4
3224  014632  000000                          HLT                     ;BLOSA FALIED
3225  014634  103001                          BHIS    .+4
3226  014636  000000                          HLT                     ;BHIS FAILED
3227  014640  101401                          BLOS    .+4
3228  014642  000000                          HLT                     ;BLOS FAILED
3229          000336                          N=N+1
3230  014644  122727  000336  000336          CMPB    #336,   #336    ;COMPARE #336 TO #336
3231  014652  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3232  014654  000000                          HLT                     ;FAILED EQUALITY TEST
3233  014656  002001                          BGE     .+4
3234  014660  000000                          HLT                     ;BHISA FAILED
3235  014662  003401                          BLE     .+4
3236  014664  000000                          HLT                     ;BLOSA FALIED
3237  014666  103001                          BHIS    .+4
3238  014670  000000                          HLT                     ;BHIS FAILED
3239  014672  101401                          BLOS    .+4
3240  014674  000000                          HLT                     ;BLOS FAILED
3241          000337                          N=N+1
3242  014676  122727  000337  000337          CMPB    #337,   #337    ;COMPARE #337 TO #337
3243  014704  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3244  014706  000000                          HLT                     ;FAILED EQUALITY TEST
3245  014710  002001                          BGE     .+4
3246  014712  000000                          HLT                     ;BHISA FAILED
3247  014714  003401                          BLE     .+4
3248  014716  000000                          HLT                     ;BLOSA FALIED
3249  014720  103001                          BHIS    .+4
3250  014722  000000                          HLT                     ;BHIS FAILED
3251  014724  101401                          BLOS    .+4
3252  014726  000000                          HLT                     ;BLOS FAILED
3253          000340                          N=N+1
3254  014730  122727  000340  000340          CMPB    #340,   #340    ;COMPARE #340 TO #340
3255  014736  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3256  014740  000000                          HLT                     ;FAILED EQUALITY TEST
3257  014742  002001                          BGE     .+4
3258  014744  000000                          HLT                     ;BHISA FAILED
3259  014746  003401                          BLE     .+4
3260  014750  000000                          HLT                     ;BLOSA FALIED
3261  014752  103001                          BHIS    .+4
3262  014754  000000                          HLT                     ;BHIS FAILED
3263  014756  101401                          BLOS    .+4
3264  014760  000000                          HLT                     ;BLOS FAILED
3265          000341                          N=N+1
3266  014762  122727  000341  000341          CMPB    #341,   #341    ;COMPARE #341 TO #341
3267  014770  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3268  014772  000000                          HLT                     ;FAILED EQUALITY TEST
3269  014774  002001                          BGE     .+4
3270  014776  000000                          HLT                     ;BHISA FAILED
3271  015000  003401                          BLE     .+4
3272  015002  000000                          HLT                     ;BLOSA FALIED
3273  015004  103001                          BHIS    .+4
3274  015006  000000                          HLT                     ;BHIS FAILED
3275  015010  101401                          BLOS    .+4
```

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3276  015012  000000                        HLT                             ;BLOS FAILED
3277          000342                        N=N+1
3278  015014  122727  000342  000342        CMPB    #342,   #342    ;COMPARE #342 TO #342
3279  015022  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3280  015024  000000                        HLT                             ;FAILED EQUALITY TEST
3281  015026  002001                        BGE     .+4
3282  015030  000000                        HLT                             ;BHISA FAILED
3283  015032  003401                        BLE     .+4
3284  015034  000000                        HLT                             ;BLOSA FALIED
3285  015036  103001                        BHIS    .+4
3286  015040  000000                        HLT                             ;BHIS FAILED
3287  015042  101401                        BLOS    .+4
3288  015044  000000                        HLT                             ;BLOS FAILED
3289          000343                        N=N+1
3290  015046  122727  000343  000343        CMPB    #343,   #343    ;COMPARE #343 TO #343
3291  015054  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3292  015056  000000                        HLT                             ;FAILED EQUALITY TEST
3293  015060  002001                        BGE     .+4
3294  015062  000000                        HLT                             ;BHISA FAILED
3295  015064  003401                        BLE     .+4
3296  015066  000000                        HLT                             ;BLOSA FALIED
3297  015070  103001                        BHIS    .+4
3298  015072  000000                        HLT                             ;BHIS FAILED
3299  015074  101401                        BLOS    .+4
3300  015076  000000                        HLT                             ;BLOS FAILED
3301          000344                        N=N+1
3302  015100  122727  000344  000344        CMPB    #344,   #344    ;COMPARE #344 TO #344
3303  015106  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3304  015110  000000                        HLT                             ;FAILED EQUALITY TEST
3305  015112  002001                        BGE     .+4
3306  015114  000000                        HLT                             ;BHISA FAILED
3307  015116  003401                        BLE     .+4
3308  015120  000000                        HLT                             ;BLOSA FALIED
3309  015122  103001                        BHIS    .+4
3310  015124  000000                        HLT                             ;BHIS FAILED
3311  015126  101401                        BLOS    .+4
3312  015130  000000                        HLT                             ;BLOS FAILED
3313          000345                        N=N+1
3314  015132  122727  000345  000345        CMPB    #345,   #345    ;COMPARE #345 TO #345
3315  015140  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3316  015142  000000                        HLT                             ;FAILED EQUALITY TEST
3317  015144  002001                        BGE     .+4
3318  015146  000000                        HLT                             ;BHISA FAILED
3319  015150  003401                        BLE     .+4
3320  015152  000000                        HLT                             ;BLOSA FALIED
3321  015154  103001                        BHIS    .+4
3322  015156  000000                        HLT                             ;BHIS FAILED
3323  015160  101401                        BLOS    .+4
3324  015162  000000                        HLT                             ;BLOS FAILED
3325          000346                        N=N+1
3326  015164  122727  000346  000346        CMPB    #346,   #346    ;COMPARE #346 TO #346
3327  015172  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3328  015174  000000                        HLT                             ;FAILED EQUALITY TEST
3329  015176  002001                        BGE     .+4
3330  015200  000000                        HLT                             ;BHISA FAILED
3331  015202  003401                        BLE     .+4
```

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3332  015204  000000                          HLT                             ;BLOSA FALIED
3333  015206  103001                          BHIS    .+4
3334  015210  000000                          HLT                             ;BHIS FAILED
3335  015212  101401                          BLOS    .+4
3336  015214  000000                          HLT                             ;BLOS FAILED
3337          000347                          N=N+1
3338  015216  122727  000347  000347          CMPB    #347,   #347            ;COMPARE #347 TO #347
3339  015224  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3340  015226  000000                          HLT                             ;FAILED EQUALITY TEST
3341  015230  002001                          BGE     .+4
3342  015232  000000                          HLT                             ;BHISA FAILED
3343  015234  003401                          BLE     .+4
3344  015236  000000                          HLT                             ;BLOSA FALIED
3345  015240  103001                          BHIS    .+4
3346  015242  000000                          HLT                             ;BHIS FAILED
3347  015244  101401                          BLOS    .+4
3348  015246  000000                          HLT                             ;BLOS FAILED
3349          000350                          N=N+1
3350  015250  122727  000350  000350          CMPB    #350,   #350            ;COMPARE #350 TO #350
3351  015256  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3352  015260  000000                          HLT                             ;FAILED EQUALITY TEST
3353  015262  002001                          BGE     .+4
3354  015264  000000                          HLT                             ;BHISA FAILED
3355  015266  003401                          BLE     .+4
3356  015270  000000                          HLT                             ;BLOSA FALIED
3357  015272  103001                          BHIS    .+4
3358  015274  000000                          HLT                             ;BHIS FAILED
3359  015276  101401                          BLOS    .+4
3360  015300  000000                          HLT                             ;BLOS FAILED
3361          000351                          N=N+1
3362  015302  122727  000351  000351          CMPB    #351,   #351            ;COMPARE #351 TO #351
3363  015310  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3364  015312  000000                          HLT                             ;FAILED EQUALITY TEST
3365  015314  002001                          BGE     .+4
3366  015316  000000                          HLT                             ;BHISA FAILED
3367  015320  003401                          BLE     .+4
3368  015322  000000                          HLT                             ;BLOSA FALIED
3369  015324  103001                          BHIS    .+4
3370  015326  000000                          HLT                             ;BHIS FAILED
3371  015330  101401                          BLOS    .+4
3372  015332  000000                          HLT                             ;BLOS FAILED
3373          000352                          N=N+1
3374  015334  122727  000352  000352          CMPB    #352,   #352            ;COMPARE #352 TO #352
3375  015342  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
3376  015344  000000                          HLT                             ;FAILED EQUALITY TEST
3377  015346  002001                          BGE     .+4
3378  015350  000000                          HLT                             ;BHISA FAILED
3379  015352  003401                          BLE     .+4
3380  015354  000000                          HLT                             ;BLOSA FALIED
3381  015356  103001                          BHIS    .+4
3382  015360  000000                          HLT                             ;BHIS FAILED
3383  015362  101401                          BLOS    .+4
3384  015364  000000                          HLT                             ;BLOS FAILED
3385          000353                          N=N+1
3386  015366  122727  000353  000353          CMPB    #353,   #353            ;COMPARE #353 TO #353
3387  015374  001401                          BEQ     .+4                     ;BRANCH IF EQUAL
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 3388  015376  000000                          HLT                     ;FAILED EQUALITY TEST
 3389  015400  002001                          BGE     .+4
 3390  015402  000000                          HLT                     ;BHISA FAILED
 3391  015404  003401                          BLE     .+4
 3392  015406  000000                          HLT                     ;BLOSA FALIED
 3393  015410  103001                          BHIS    .+4
 3394  015412  000000                          HLT                     ;BHIS FAILED
 3395  015414  101401                          BLOS    .+4
 3396  015416  000000                          HLT                     ;BLOS FAILED
 3397          000354                          N=N+1
 3398  015420  122727  000354  000354          CMPB    #354,   #354    ;COMPARE #354 TO #354
 3399  015426  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3400  015430  000000                          HLT                     ;FAILED EQUALITY TEST
 3401  015432  002001                          BGE     .+4
 3402  015434  000000                          HLT                     ;BHISA FAILED
 3403  015436  003401                          BLE     .+4
 3404  015440  000000                          HLT                     ;BLOSA FALIED
 3405  015442  103001                          BHIS    .+4
 3406  015444  000000                          HLT                     ;BHIS FAILED
 3407  015446  101401                          BLOS    .+4
 3408  015450  000000                          HLT                     ;BLOS FAILED
 3409          000355                          N=N+1
 3410  015452  122727  000355  000355          CMPB    #355,   #355    ;COMPARE #355 TO #355
 3411  015460  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3412  015462  000000                          HLT                     ;FAILED EQUALITY TEST
 3413  015464  002001                          BGE     .+4
 3414  015466  000000                          HLT                     ;BHISA FAILED
 3415  015470  003401                          BLE     .+4
 3416  015472  000000                          HLT                     ;BLOSA FALIED
 3417  015474  103001                          BHIS    .+4
 3418  015476  000000                          HLT                     ;BHIS FAILED
 3419  015500  101401                          BLOS    .+4
 3420  015502  000000                          HLT                     ;BLOS FAILED
 3421          000356                          N=N+1
 3422  015504  122727  000356  000356          CMPB    #356,   #356    ;COMPARE #356 TO #356
 3423  015512  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3424  015514  000000                          HLT                     ;FAILED EQUALITY TEST
 3425  015516  002001                          BGE     .+4
 3426  015520  000000                          HLT                     ;BHISA FAILED
 3427  015522  003401                          BLE     .+4
 3428  015524  000000                          HLT                     ;BLOSA FALIED
 3429  015526  103001                          BHIS    .+4
 3430  015530  000000                          HLT                     ;BHIS FAILED
 3431  015532  101401                          BLOS    .+4
 3432  015534  000000                          HLT                     ;BLOS FAILED
 3433          000357                          N=N+1
 3434  015536  122727  000357  000357          CMPB    #357,   #357    ;COMPARE #357 TO #357
 3435  015544  001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3436  015546  000000                          HLT                     ;FAILED EQUALITY TEST
 3437  015550  002001                          BGE     .+4
 3438  015552  000000                          HLT                     ;BHISA FAILED
 3439  015554  003401                          BLE     .+4
 3440  015556  000000                          HLT                     ;BLOSA FALIED
 3441  015560  103001                          BHIS    .+4
 3442  015562  000000                          HLT                     ;BHIS FAILED
 3443  015564  101401                          BLOS    .+4
```

```
  3444  015566  000000                          HLT                     ;BLOS FAILED
  3445          000360                          N=N+1
  3446          000000                          N=0
```

```
3447  015570  000240                        SCOPE
3448  015572  022727  000000  000000        CMP     #0,     #0      ;COMPARE #0 TO #0
3449  015600  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3450  015602  000000                        HLT                     ;FAILED EQUALITY TEST
3451  015604  002001                        BGE     .+4
3452  015606  000000                        HLT                     ;BHISA FAILED
3453  015610  003401                        BLE     .+4
3454  015612  000000                        HLT                     ;BLOSA FAILED
3455  015614  103001                        BHIS    .+4
3456  015616  000000                        HLT                     ;BHIS FAILED
3457  015620  101401                        BLOS    .+4
3458  015622  000000                        HLT                     ;BHIS FAILED
3459          050505                        N=N+50505
3460  015624  000240                        SCOPE
3461  015626  022727  050505  050505        CMP     #50505, #50505  ;COMPARE #50505 TO #50505
3462  015634  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3463  015636  000000                        HLT                     ;FAILED EQUALITY TEST
3464  015640  002001                        BGE     .+4
3465  015642  000000                        HLT                     ;BHISA FAILED
3466  015644  003401                        BLE     .+4
3467  015646  000000                        HLT                     ;BLOSA FAILED
3468  015650  103001                        BHIS    .+4
3469  015652  000000                        HLT                     ;BHIS FAILED
3470  015654  101401                        BLOS    .+4
3471  015656  000000                        HLT                     ;BHIS FAILED
3472          121212                        N=N+50505
3473  015660  000240                        SCOPE
3474  015662  022727  121212  121212        CMP     #121212,        #121212 ;COMPARE #121212 TO #121212
3475  015670  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3476  015672  000000                        HLT                     ;FAILED EQUALITY TEST
3477  015674  002001                        BGE     .+4
3478  015676  000000                        HLT                     ;BHISA FAILED
3479  015700  003401                        BLE     .+4
3480  015702  000000                        HLT                     ;BLOSA FAILED
3481  015704  103001                        BHIS    .+4
3482  015706  000000                        HLT                     ;BHIS FAILED
3483  015710  101401                        BLOS    .+4
3484  015712  000000                        HLT                     ;BHIS FAILED
3485          171717                        N=N+50505
3486  015714  000240                        SCOPE
3487  015716  022727  171717  171717        CMP     #171717,        #171717 ;COMPARE #171717 TO #171717
3488  015724  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3489  015726  000000                        HLT                     ;FAILED EQUALITY TEST
3490  015730  002001                        BGE     .+4
3491  015732  000000                        HLT                     ;BHISA FAILED
3492  015734  003401                        BLE     .+4
3493  015736  000000                        HLT                     ;BLOSA FAILED
3494  015740  103001                        BHIS    .+4
3495  015742  000000                        HLT                     ;BHIS FAILED
3496  015744  101401                        BLOS    .+4
3497  015746  000000                        HLT                     ;BHIS FAILED
3498          042424                        N=N+50505
3499  015750  000240                        SCOPE
3500  015752  022727  042424  042424        CMP     #42424, #42424  ;COMPARE #42424 TO #42424
3501  015760  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3502  015762  000000                        HLT                     ;FAILED EQUALITY TEST
```

```
3503  015764  002001                          BGE     .+4
3504  015766  000000                          HLT                     ;BHISA FAILED
3505  015770  003401                          BLE     .+4
3506  015772  000000                          HLT                     ;BLOSA FAILED
3507  015774  103001                          BHIS    .+4
3508  015776  000000                          HLT                     ;BHIS FAILED
3509  016000  101401                          BLOS    .+4
3510  016002  000000                          HLT                     ;BHIS FAILED
3511          113131                          N=N+50505
3512  016004  000240                          SCOPE
3513  016006  022727  113131  113131          CMP     #113131,        #113131 ;COMPARE #113131 TO #113131
3514  016014  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3515  016016  000000                          HLT                     ;FAILED EQUALITY TEST
3516  016020  002001                          BGE     .+4
3517  016022  000000                          HLT                     ;BHISA FAILED
3518  016024  003401                          BLE     .+4
3519  016026  000000                          HLT                     ;BLOSA FAILED
3520  016030  103001                          BHIS    .+4
3521  016032  000000                          HLT                     ;BHIS FAILED
3522  016034  101401                          BLOS    .+4
3523  016036  000000                          HLT                     ;BHIS FAILED
3524          163636                          N=N+50505
3525  016040  000240                          SCOPE
3526  016042  022727  163636  163636          CMP     #163636,        #163636 ;COMPARE #163636 TO #163636
3527  016050  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3528  016052  000000                          HLT                     ;FAILED EQUALITY TEST
3529  016054  002001                          BGE     .+4
3530  016056  000000                          HLT                     ;BHISA FAILED
3531  016060  003401                          BLE     .+4
3532  016062  000000                          HLT                     ;BLOSA FAILED
3533  016064  103001                          BHIS    .+4
3534  016066  000000                          HLT                     ;BHIS FAILED
3535  016070  101401                          BLOS    .+4
3536  016072  000000                          HLT                     ;BHIS FAILED
3537          034343                          N=N+50505
3538  016074  000240                          SCOPE
3539  016076  022727  034343  034343          CMP     #34343, #34343  ;COMPARE #34343 TO #34343
3540  016104  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3541  016106  000000                          HLT                     ;FAILED EQUALITY TEST
3542  016110  002001                          BGE     .+4
3543  016112  000000                          HLT                     ;BHISA FAILED
3544  016114  003401                          BLE     .+4
3545  016116  000000                          HLT                     ;BLOSA FAILED
3546  016120  103001                          BHIS    .+4
3547  016122  000000                          HLT                     ;BHIS FAILED
3548  016124  101401                          BLOS    .+4
3549  016126  000000                          HLT                     ;BHIS FAILED
3550          105050                          N=N+50505
3551  016130  000240                          SCOPE
3552  016132  022727  105050  105050          CMP     #105050,        #105050 ;COMPARE #105050 TO #105050
3553  016140  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3554  016142  000000                          HLT                     ;FAILED EQUALITY TEST
3555  016144  002001                          BGE     .+4
3556  016146  000000                          HLT                     ;BHISA FAILED
3557  016150  003401                          BLE     .+4
3558  016152  000000                          HLT                     ;BLOSA FAILED
```

```
3559  016154  103001                          BHIS    .+4
3560  016156  000000                          HLT                     ;BHIS FAILED
3561  016160  101401                          BLOS    .+4
3562  016162  000000                          HLT                     ;BHIS FAILED
3563          155555                          N=N+50505
3564  016164  000240                          SCOPE
3565  016166  022727  155555  155555          CMP     #155555,        #155555 ;COMPARE #155555 TO #155555
3566  016174  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3567  016176  000000                          HLT                     ;FAILED EQUALITY TEST
3568  016200  002001                          BGE     .+4
3569  016202  000000                          HLT                     ;BHISA FAILED
3570  016204  003401                          BLE     .+4
3571  016206  000000                          HLT                     ;BLOSA FAILED
3572  016210  103001                          BHIS    .+4
3573  016212  000000                          HLT                     ;BHIS FAILED
3574  016214  101401                          BLOS    .+4
3575  016216  000000                          HLT                     ;BHIS FAILED
3576          026262                          N=N+50505
3577  016220  000240                          SCOPE
3578  016222  022727  026262  026262          CMP     #26262, #26262  ;COMPARE #26262 TO #26262
3579  016230  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3580  016232  000000                          HLT                     ;FAILED EQUALITY TEST
3581  016234  002001                          BGE     .+4
3582  016236  000000                          HLT                     ;BHISA FAILED
3583  016240  003401                          BLE     .+4
3584  016242  000000                          HLT                     ;BLOSA FAILED
3585  016244  103001                          BHIS    .+4
3586  016246  000000                          HLT                     ;BHIS FAILED
3587  016250  101401                          BLOS    .+4
3588  016252  000000                          HLT                     ;BHIS FAILED
3589          076767                          N=N+50505
3590  016254  000240                          SCOPE
3591  016256  022727  076767  076767          CMP     #76767, #76767  ;COMPARE #76767 TO #76767
3592  016264  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3593  016266  000000                          HLT                     ;FAILED EQUALITY TEST
3594  016270  002001                          BGE     .+4
3595  016272  000000                          HLT                     ;BHISA FAILED
3596  016274  003401                          BLE     .+4
3597  016276  000000                          HLT                     ;BLOSA FAILED
3598  016300  103001                          BHIS    .+4
3599  016302  000000                          HLT                     ;BHIS FAILED
3600  016304  101401                          BLOS    .+4
3601  016306  000000                          HLT                     ;BHIS FAILED
3602          147474                          N=N+50505
3603  016310  000240                          SCOPE
3604  016312  022727  147474  147474          CMP     #147474,        #147474 ;COMPARE #147474 TO #147474
3605  016320  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3606  016322  000000                          HLT                     ;FAILED EQUALITY TEST
3607  016324  002001                          BGE     .+4
3608  016326  000000                          HLT                     ;BHISA FAILED
3609  016330  003401                          BLE     .+4
3610  016332  000000                          HLT                     ;BLOSA FAILED
3611  016334  103001                          BHIS    .+4
3612  016336  000000                          HLT                     ;BHIS FAILED
3613  016340  101401                          BLOS    .+4
3614  016342  000000                          HLT                     ;BHIS FAILED
```

```
 3615            020201                          N=N+50505
 3616  016344    000240                          SCOPE
 3617  016346    022727  020201  020201          CMP     #20201, #20201  ;COMPARE #20201 TO #20201
 3618  016354    001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3619  016356    000000                          HLT                     ;FAILED EQUALITY TEST
 3620  016360    002001                          BGE     .+4
 3621  016362    000000                          HLT                     ;BHISA FAILED
 3622  016364    003401                          BLE     .+4
 3623  016366    000000                          HLT                     ;BLOSA FAILED
 3624  016370    103001                          BHIS    .+4
 3625  016372    000000                          HLT                     ;BHIS FAILED
 3626  016374    101401                          BLOS    .+4
 3627  016376    000000                          HLT                     ;BHIS FAILED
 3628            070706                          N=N+50505
 3629  016400    000240                          SCOPE
 3630  016402    022727  070706  070706          CMP     #70706, #70706  ;COMPARE #70706 TO #70706
 3631  016410    001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3632  016412    000000                          HLT                     ;FAILED EQUALITY TEST
 3633  016414    002001                          BGE     .+4
 3634  016416    000000                          HLT                     ;BHISA FAILED
 3635  016420    003401                          BLE     .+4
 3636  016422    000000                          HLT                     ;BLOSA FAILED
 3637  016424    103001                          BHIS    .+4
 3638  016426    000000                          HLT                     ;BHIS FAILED
 3639  016430    101401                          BLOS    .+4
 3640  016432    000000                          HLT                     ;BHIS FAILED
 3641            141413                          N=N+50505
 3642  016434    000240                          SCOPE
 3643  016436    022727  141413  141413          CMP     #141413,        #141413 ;COMPARE #141413 TO #141413
 3644  016444    001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3645  016446    000000                          HLT                     ;FAILED EQUALITY TEST
 3646  016450    002001                          BGE     .+4
 3647  016452    000000                          HLT                     ;BHISA FAILED
 3648  016454    003401                          BLE     .+4
 3649  016456    000000                          HLT                     ;BLOSA FAILED
 3650  016460    103001                          BHIS    .+4
 3651  016462    000000                          HLT                     ;BHIS FAILED
 3652  016464    101401                          BLOS    .+4
 3653  016466    000000                          HLT                     ;BHIS FAILED
 3654            012120                          N=N+50505
 3655  016470    000240                          SCOPE
 3656  016472    022727  012120  012120          CMP     #12120, #12120  ;COMPARE #12120 TO #12120
 3657  016500    001401                          BEQ     .+4             ;BRANCH IF EQUAL
 3658  016502    000000                          HLT                     ;FAILED EQUALITY TEST
 3659  016504    002001                          BGE     .+4
 3660  016506    000000                          HLT                     ;BHISA FAILED
 3661  016510    003401                          BLE     .+4
 3662  016512    000000                          HLT                     ;BLOSA FAILED
 3663  016514    103001                          BHIS    .+4
 3664  016516    000000                          HLT                     ;BHIS FAILED
 3665  016520    101401                          BLOS    .+4
 3666  016522    000000                          HLT                     ;BHIS FAILED
 3667            062625                          N=N+50505
 3668  016524    000240                          SCOPE
 3669  016526    022727  062625  062625          CMP     #62625, #62625  ;COMPARE #62625 TO #62625
 3670  016534    001401                          BEQ     .+4             ;BRANCH IF EQUAL
```

```
3671  016536  000000                          HLT                     ;FAILED EQUALITY TEST
3672  016540  002001                          BGE     .+4
3673  016542  000000                          HLT                     ;BHISA FAILED
3674  016544  003401                          BLE     .+4
3675  016546  000000                          HLT                     ;BLOSA FAILED
3676  016550  103001                          BHIS    .+4
3677  016552  000000                          HLT                     ;BHIS FAILED
3678  016554  101401                          BLOS    .+4
3679  016556  000000                          HLT                     ;BHIS FAILED
3680          133332                          N=N+50505
3681  016560  000240                          SCOPE
3682  016562  022727  133332  133332          CMP     #133332,        #133332 ;COMPARE #133332 TO #133332
3683  016570  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3684  016572  000000                          HLT                     ;FAILED EQUALITY TEST
3685  016574  002001                          BGE     .+4
3686  016576  000000                          HLT                     ;BHISA FAILED
3687  016600  003401                          BLE     .+4
3688  016602  000000                          HLT                     ;BLOSA FAILED
3689  016604  103001                          BHIS    .+4
3690  016606  000000                          HLT                     ;BHIS FAILED
3691  016610  101401                          BLOS    .+4
3692  016612  000000                          HLT                     ;BHIS FAILED
3693          004037                          N=N+50505
3694  016614  000240                          SCOPE
3695  016616  022727  004037  004037          CMP     #4037,  #4037   ;COMPARE #4037 TO #4037
3696  016624  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3697  016626  000000                          HLT                     ;FAILED EQUALITY TEST
3698  016630  002001                          BGE     .+4
3699  016632  000000                          HLT                     ;BHISA FAILED
3700  016634  003401                          BLE     .+4
3701  016636  000000                          HLT                     ;BLOSA FAILED
3702  016640  103001                          BHIS    .+4
3703  016642  000000                          HLT                     ;BHIS FAILED
3704  016644  101401                          BLOS    .+4
3705  016646  000000                          HLT                     ;BHIS FAILED
3706          054544                          N=N+50505
3707  016650  000240                          SCOPE
3708  016652  022727  054544  054544          CMP     #54544, #54544  ;COMPARE #54544 TO #54544
3709  016660  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3710  016662  000000                          HLT                     ;FAILED EQUALITY TEST
3711  016664  002001                          BGE     .+4
3712  016666  000000                          HLT                     ;BHISA FAILED
3713  016670  003401                          BLE     .+4
3714  016672  000000                          HLT                     ;BLOSA FAILED
3715  016674  103001                          BHIS    .+4
3716  016676  000000                          HLT                     ;BHIS FAILED
3717  016700  101401                          BLOS    .+4
3718  016702  000000                          HLT                     ;BHIS FAILED
3719          125251                          N=N+50505
3720
3721  016704  000240                          SCOPE
3722  016706  122727  000321  077321          CMPB #00321, #77321             ;COMPARE #00321 TO #77321
3723  016714  001401                          BEQ     .+4             ;BRANCH IF EQUAL
3724  016716  000000                          HLT                     ;FAILED EQUALITY TEST
3725  016720  002001                          BGE     .+4
3726  016722  000000                          HLT                     ;BHISA FAILED
```

```
3727  016724  003401                        BLE     .+4
3728  016726  000000                        HLT                     ;BLOSA FAILED
3729  016730  103001                        BHIS    .+4
3730  016732  000000                        HLT                     ;BHIS FAILED
3731  016734  101401                        BLOS    .+4
3732  016736  000000                        HLT                     ;BLOS FAILED
3733  016740  000240                        SCOPE
3734  016742  126727  000276  000056        CMPB VAL1, #056         ;COMPARE VAL1 TO #056
3735  016750  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3736  016752  000000                        HLT                     ;FAILED EQUALITY TEST
3737  016754  002001                        BGE     .+4
3738  016756  000000                        HLT                     ;BHISA FAILED
3739  016760  003401                        BLE     .+4
3740  016762  000000                        HLT                     ;BLOSA FAILED
3741  016764  103001                        BHIS    .+4
3742  016766  000000                        HLT                     ;BHIS FAILED
3743  016770  101401                        BLOS    .+4
3744  016772  000000                        HLT                     ;BLOS FAILED
3745  016774  000240                        SCOPE
3746  016776  126767  000243  000251        CMPB VAL1+1, VAL5+1             ;COMPARE VAL1+1 TO VAL5+1
3747  017004  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3748  017006  000000                        HLT                     ;FAILED EQUALITY TEST
3749  017010  002001                        BGE     .+4
3750  017012  000000                        HLT                     ;BHISA FAILED
3751  017014  003401                        BLE     .+4
3752  017016  000000                        HLT                     ;BLOSA FAILED
3753  017020  103001                        BHIS    .+4
3754  017022  000000                        HLT                     ;BHIS FAILED
3755  017024  101401                        BLOS    .+4
3756  017026  000000                        HLT                     ;BLOS FAILED
3757  017030  000240                        SCOPE
3758  017032  126727  000207  000247        CMPB VAL1+1, #247               ;COMPARE VAL1+1 TO #247
3759  017040  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3760  017042  000000                        HLT                     ;FAILED EQUALITY TEST
3761  017044  002001                        BGE     .+4
3762  017046  000000                        HLT                     ;BHISA FAILED
3763  017050  003401                        BLE     .+4
3764  017052  000000                        HLT                     ;BLOSA FAILED
3765  017054  103001                        BHIS    .+4
3766  017056  000000                        HLT                     ;BHIS FAILED
3767  017060  101401                        BLOS    .+4
3768  017062  000000                        HLT                     ;BLOS FAILED
3769  017064  000240                        SCOPE
3770  017066  122767  000247  000151        CMPB #247, VAL1+1               ;COMPARE #247 TO VAL1+1
3771  017074  001401                        BEQ     .+4             ;BRANCH IF EQUAL
3772  017076  000000                        HLT                     ;FAILED EQUALITY TEST
3773  017100  002001                        BGE     .+4
3774  017102  000000                        HLT                     ;BHISA FAILED
3775  017104  003401                        BLE     .+4
3776  017106  000000                        HLT                     ;BLOSA FAILED
3777  017110  103001                        BHIS    .+4
3778  017112  000000                        HLT                     ;BHIS FAILED
3779  017114  101401                        BLOS    .+4
3780  017116  000000                        HLT                     ;BLOS FAILED
3781  017120  012700  123456                MOV     #123456,%0
3782  017124  000240                        SCOPE
```

```
3783  017126  126700  000117                    CMPB VAL3+1, %0         ;COMPARE VAL3+1 TO %0
3784  017132  001401                            BEQ     .+4             ;BRANCH IF EQUAL
3785  017134  000000                            HLT                     ;FAILED EQUALITY TEST
3786  017136  002001                            BGE     .+4
3787  017140  000000                            HLT                     ;BHISA FAILED
3788  017142  003401                            BLE     .+4
3789  017144  000000                            HLT                     ;BLOSA FAILED
3790  017146  103001                            BHIS    .+4
3791  017150  000000                            HLT                     ;BHIS FAILED
3792  017152  101401                            BLOS    .+4
3793  017154  000000                            HLT                     ;BLOS FAILED
3794  017156  012700  123456                    MOV     #123456,%0
3795  017162  000240                            SCOPE
3796  017164  126700  000054                    CMPB VAL1, %0           ;COMPARE VAL1 TO %0
3797  017170  001401                            BEQ     .+4             ;BRANCH IF EQUAL
3798  017172  000000                            HLT                     ;FAILED EQUALITY TEST
3799  017174  002001                            BGE     .+4
3800  017176  000000                            HLT                     ;BHISA FAILED
3801  017200  003401                            BLE     .+4
3802  017202  000000                            HLT                     ;BLOSA FAILED
3803  017204  103001                            BHIS    .+4
3804  017206  000000                            HLT                     ;BHIS FAILED
3805  017210  101401                            BLOS    .+4
3806  017212  000000                            HLT                     ;BLOS FAILED
3807  017214  005267  000022                    INC     LOOP
3808  017220  001006                            BNE     FIN
3809  017222  012737  000207  177566            MOV     #207,@#177566
3810  017230  105737  177564                    TSTB    @#177564
3811  017234  100375                            BPL     .-4
3812  017236  000167  160736          FIN:      JMP     200
3813  017242  000000                  LOOP:     0
3814  017244  123456                  VAL1:     123456
3815  017246  154321                  VAL2:     154321
3816  017250  027247                  VAL3:     027247                  ;SWAP .BYTE OF VAL1
3817  017252  150730                  VAL4:     150730                  ;SWAP .BYTE OF VAL2
3818  017254  123400                  VAL5:     123400
3819          000001                            .END
```

FIN   017236
HLT = 000000

3808 3812#
257# 264 266 268 270 272 276 278 280 282 284 288 290
292 294 296 300 302 304 306 308 313 315 317 319 321
326 328 330 332 334 339 341 343 345 347 352 354 356
358 360 365 367 369 371 373 378 380 382 384 386 391
393 395 397 399 404 406 408 410 412 417 419 421 423
425 430 432 434 436 438 443 445 447 449 451 456 458
460 462 464 469 471 473 475 477 482 484 486 488 490
495 497 499 501 503 508 510 512 514 516 522 524 526
528 530 533 535 537 539 541 544 546 548 550 552 555
557 559 561 563 568 570 572 574 576 580 582 584 586
588 592 594 596 598 600 604 606 608 610 612 616 618
620 622 624 628 630 632 634 636 640 642 644 646 648
652 654 656 658 660 664 666 668 670 672 676 678 680
682 684 688 690 692 694 696 700 702 704 706 708 712
714 716 718 720 724 726 728 730 732 736 738 740 742
744 748 750 752 754 756 760 762 764 766 768 772 774
776 778 780 784 786 788 790 792 796 798 800 802 804
808 810 812 814 816 820 822 824 826 828 832 834 836
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MULT        1#
NEWTST      1#
POP         1#
PUSH        1#
REPORT      1#
SETPRI      1#
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SKIP        1#
SLASH       1#
STARS       1#
SWRSU       1#
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          686     698    710    722    734    746    758    770    782    794    806    818    830    842    854
          866     878    890    902    914    926    938    950    962    974    986    998   1010   1022   1034
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E07

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 ERRORS DETECTED:  0
 DEFAULT GLOBALS GENERATED:  0

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 CORE USED:  32K  (63 PAGES)
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Spooler runtime 13 Seconds, 57 KCS, 322 disk reads, 3 disk writes, 82 pages

[redacted] Monitor [redacted]