```
BOOTSTRAP FOR CLEAR ,008015,022026,030040/019,001L020100   ,047054,061068,072072)0810811022                        1
CLEAR OR BOOTSTRAP  ,008047/047046       /000H025B022100  4/061046,054061,068072,0010401040                        2

                         FORTRAN COMPILER -- PHASE 0 -- LOADER                      00004               PAGE    1

 SEQ PG LIN  LABEL  OP    OPERANDS                                                SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

 101                JOB   FORTRAN COMPILER -- PHASE 0 -- LOADER
 102                CTL   6631
 103         *
 104         * PHASE 0: SNAPSHOT AND OVERLAY LOADER PHASE.
 105         *
 106                ORG   81                                                                     0081
 107     83         DC    #3  SAVE                                                     3  0083                        3
 108     86         DC    #3    AREAS                                                  3  0086                        3
 109     89  X1     DCW   @000@                                                        3  0089                        3
 110         XXXXX1 EQU   X1     FOR USE IN SFX REGIONS                                   0089
 111     91         DC    @00@                                                         2  0091                        3
 112     94  X2     DCW   @000@                                                        3  0094                        3
 113         XXXXX2 EQU   X2     FOR USE IN SFX REGIONS                                   0094
 114     96         DC    @00@                                                         2  0096                        3
 115     99  X3     DCW   @000@                                                        3  0099                        3
 116         XXXXX3 EQU   X3     FOR USE IN SFX REGIONS                                   0099
 117    104         DC    @0    @                                                      5  0104                        3
 118    110  PHASID DCW   @LOADER@  PHASE ID, FOR SNAPSHOT                             6  0110                        3
 119    111         DCW   #1  WM CLEARED IF DO STATEMENT APPEARS                       1  0111                        4
 120    112         DCW   #1  WM CLEARED IF DO STATEMENT APPEARS                       1  0112                        4
 121    113         DCW   #1  WM CLEARED IF DO STATEMENT APPEARS                       1  0113                        4
 122    114         DCW   #1  WM CLEARED WHEN AN I/O LIST OF DO IS PROCESSED           1  0114                        4
 123    115         DCW   #1  WM CLEARED IF I/O LIST AND NOT LIMITED FORMAT            1  0115                        4
 124    116  SUBSCR DCW   #1  WM CLEARED IF SUBSCRIPT CODE NEEDED                      1  0116                        4
 125    117  SERIES DCW   #1  NEED SERIES ROUTINE IF NO WM                             1  0117                        4
 126    118  SINCOS DCW   #1  SAW SINF OR COSF IF NO WM                                1  0118                        5
 127    119  LOGF   DCW   #1  SAW LOGF IF NO WM                                        1  0119                        5
 128    120  EXPF   DCW   #1  SAW EXPF IF NO WM                                        1  0120                        5
 129    121         DCW   #1  SAW ATANF IF NO WM                                       1  0121                        5
 130    122  SAWABS DCW   #1  SAW ABSF IF NO WM                                        1  0122                        5
 131    123  SAWNEG DCW   #1  SAW NEGATION OPERATOR (UNARY MINUS) IF NO WM             1  0123                        5
 132    124  XFIXF  DCW   #1  SAW XFIXF IF NO WM                                       1  0124                        5
 133    125  FLOATF DCW   #1  SAW FLOATF IF NO WM                                      1  0125                        6
 134    126         DCW   #1  SAW SQRTF IF NO WM                                       1  0126                        6
 135    127         DCW   #1  SAW USER FUNCTION R IF NO WM                             1  0127                        6
 136    128         DCW   #1  SAW USER FUNCTION U IF NO WM                             1  0128                        6
 137    129         DCW   #1  SAW USER FUNCTION P IF NO WM                             1  0129                        6
 138    130         DCW   #1  SAW USER FUNCTION W IF NO WM                             1  0130                        6
 139    131         DCW   #1  SAW USER FUNCTION Y IF NO WM                             1  0131                        6
 140    132         DCW   #1  SAW USER FUNCTION Z IF NO WM                             1  0132                        7
 141    133         DCW   #1  SAW USER FUNCTION J IF NO WM                             1  0133                        7
 142    134         DCW   #1  SAW USER FUNCTION K IF NO WM                             1  0134                        7
 143    135         DCW   #1  SAW USER FUNCTION L IF NO WM                             1  0135                        7
 144    136         DCW   #1  SAW USER FUNCTION M IF NO WM                             1  0136                        7
 145    137         DCW   #1  SAW USER FUNCTION D IF NO WM                             1  0137                        7
 146    138         DCW   #1  SAW USER FUNCTION H IF NO WM                             1  0138                        7
 147    139         DCW   #1  SAW XLINKF IF NO WM                                      1  0139                        8
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SEQ PG LIN  LABEL   OP    OPERANDS                                              SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR
148    142  NEGAR2  DCW   #3  LOOKS LIKE NEGARY -- SEE PHASE 20                    3  0142                        8
149    145  TBLBOT  DCW   #3  ONE BELOW NUMBERS, FORMATS, I/O LISTS                3  0145                        8
150    148  SEQTAB  DCW   #3  BOTTOM OF SEQUENCE NUMBER TABLE - 2                  3  0148                        8
151    151  DOCNT   DCW   #3  COUNT OF DO STATEMENTS                               3  0151                        8
152    154  BOTFMT  DCW   #3  BOTTOM OF FORMAT STRINGS OR NUMBER TABLE - 1         3  0154                        8
153    157  NEGAR3  DCW   #3  LOOKS LIKE NEGARY -- SEE PHASE 20                    3  0157                        8
154    160  ARYSIZ  DCW   #3  TOTAL ARRAY SIZE & 2                                 3  0160                        9
155    163  NEGARY  DCW   #3  16000 - ARYSIZ                                       3  0163                        9
156    180          DC    #17                                                     17  0180                        9
157    183  NSTMTS  DCW   #3  NUMBER OF STATEMENTS, INCLUDING GENERATED STOP       3  0183                        9
158    184  GLOBER  DC    #1  GLOBAL ERROR FLAG -- WM MEANS ERROR                  1  0184                        9
159    185  GOTXL   DCW   #1  XLINKF WAS REFERENCED IF NO WM                       1  0185                        9
160    188  RELTAB  DCW   #3  RELOCATABLE FUNCTION TABLE ENTRY ADDRESSES           3  0188                        9
161    191  SUBENT  DCW   #3  ENTRY TO SUBSCRIPT ROUTINE                           3  0191                        9
162    194  ARYTOP  DCW   #3  TOP OF ARRAYS IN OBJECT CODE                         3  0194                        9
163    195          DC    #1                                                      1  0195                        9
164    199          DCW   @V4M1@                                                  4  0199                       10
```

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SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

165            JOB   SNAPSHOT ROUTINE
166            ORG   333                                                       0333
167        *
168        * SNAPSHOT ROUTINE
169        *
170            SFX   S
171 *  333 SNAPSH SBR   EXIT&3                                           S   4 0333  H 567             11   567
172    337        SBR   SXX&6                                            S   4 0337  H 408             11   408
173    341        MCW   KZ3,ADR5-2  START FIVE-DIGIT ADDRESS AT ZERO     S   7 0341  M 661 656       11   661     656
174    348        MCW   XXXXX3,SX3&6                                     S   7 0348  M 099 415       11   099     415
175    355        MCW   XXXXX1,SX1&6                                     S   7 0355  M 089 422       11   089     422
176    362        SBR   XXXXX1,1                                        S   7 0362  H 089 001       11   089     001
177    369        SBR   XXXXX3,202                                      S   7 0369  H 099 202       12   099     202
178    376        CS    332                                            S   4 0376  / 332           12   332
179    380        CS                                                   S   1 0380  /               12
180 *  381 PHASLD MCW   PHASID,210                                       S   7 0381  M 110 210       12   110     210
181    388        BSS   SKIP,F                                         S   5 0388  B 621 F         12   621
182        *
183        * PRINT A HEADER
184        *
185    393        CC    1                                              S   2 0393  F 1             12
186    395        MCW   XXXXX2,250  X2 MIGHT CONTAIN DOT INSTEAD OF ADDRESS S   7 0395  M 094 250       12   094     250
187    402 SXX    SBR   216,0       RETURN ADDRESS WAS STORED IN B       S   7 0402  H 216 000       13   216     000
188    409 SX3    SBR   256,0       X3 WAS STORED IN B                   S   7 0409  H 256 000       13   256     000
189    416 SX1    SBR   244,0       X1 WAS STORED IN B                   S   7 0416  H 244 000       13   244     000
190    423        W                                                    S   1 0423  2               13
191    424        CC    K                                              S   2 0424  F K             13
192    426        ZA    KP2,W2A                                        S   7 0426  ? 662 664       13   662     664
193    433 CLEARH CS    332                                            S   4 0433  / 332           13   332
194    437        CS                                                   S   1 0437  /               14
195    438        CC    J                                              S   2 0438  F J             14
196    440        MCW   ADR5,306    FIVE-DIGIT ADDRESS                 S   7 0440  M 658 306       14   658     306
197    447        MCW                                                  S   1 0447  M               14
198    448        SBR   LOOP&6                                         S   4 0448  H 465           14   465
199    452        MCW   K9,W2B-1                                       S   7 0452  M 665 668       14   665     668
200    459 LOOP   MCW   W2B-1,000                                       S   7 0459  M 668 000       14   668     000
201    466        MCW   DOTS                                           S   4 0466  M 651           15   651
202    470        SBR   LOOP&6                                         S   4 0470  H 465           15   465
203    474        A     KM10,W2B    ADD I0 = -10                       S   7 0474  A 667 669       15   667     669
204    481        BWZ   LOOP,W2B-1,2  NO ZONE IN COUNTER HIGH DIGIT?   S   8 0481  V 459 668 2     15   459     668
205    489        A     KP1,ADR5-2  BUMP HUNDREDS DIGIT OF ADDRESS      S   7 0489  A 670 656       15   670     656
206    496        W                                                    S   1 0496  2               15
207    497 GET    SW    0&X3        MOVE DATA AND WM TO PRINT AREA       S   4 0497  , 0?0           15   000+3
208    501        MCW   0&X1,0&X3                                      S   7 0501  M 0|0 0?0        16   000+1   000+3
209    508        BW    DOWM,0&X1   SKIP CLEARING PRINT AREA WM          S   8 0508  V 520 0|0 1     16   520     000+1
210    516        CW    0&X3                                           S   4 0516  ) 0?0           16   000+3
211    520 DOWM   C     XXXXX1,TOPCOR  DONE?                            S   7 0520  C 089 688       16   089     688
212    527        BU    CONT        NO                                 S   5 0527  B 568 /         16   568
213    532        W                                                    S   1 0532  2               16
214    533        WM                                                   S   2 0533  2 )             16
```

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SEQ PG LIN  LABEL   OP    OPERANDS                                  SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR
215    535  RX1     MCW   SX1&6,XXXXX1   RESTORE INDEX REGS         S   7  0535  M 422 089          17   422     089
216    542         MCW   SX3&6,XXXXX3                              S   7  0542  M 415 099          17   415     099
217    549         CS    332                                       S   4  0549  / 332              17   332
218    553         CS                                              S   1  0553  /                  17
219    554         BSS   HALT,G                                    S   5  0554  B 563 G            17   563
220    559         B     EXIT                                      S   4  0559  B 564              17   564
221    563  HALT    H                                               S   1  0563  .                  17
222    564  EXIT    B     0-0                                       S   4  0564  B 000              18   000
223 *       SNAPEX  EQU   EXIT                                      S      0564
224    568  CONT    SBR   XXXXX1,1&X1                               S   7  0568  H 089 0|1          18   089     001+1
225    575         BCE   BUMP3,XXXXX3-2,2                          S   8  0575  B 632 097 2        18   632     097
226    583         SBR   XXXXX3,201                                S   7  0583  H 099 201          18   099     201
227    590         W                                               S   1  0590  2                  18
228    591         WM                                              S   2  0591  2 )                18
229    593         A     KP1,W2A                                   S   7  0593  A 670 664          18   670     664
230    600         C     W2A,KP15                                  S   7  0600  C 664 672          19   664     672
231    607         BU    CLEARH                                    S   5  0607  B 433 /            19   433
232    612         S     W2A                                       S   4  0612  S 664              19   664
233    616         CCB   CLEARH,1                                 S   5  0616  F 433 1            19   433
234    621  SKIP    MCW   XQTD,220                                 S   7  0621  M 680 220          19   680     220
235    628         W     RX1                                       S   4  0628  2 535              19   535
236    632  BUMP3   A     KP1,XXXXX3                                S   7  0632  A 670 099          19   670     099
237    639         B     GET                                       S   4  0639  B 497              20   497
238    651  DOTS    DCW   @9........@                              S   9  0651                     20
239    653         DCW   @9-@                                      S   2  0653                     20
240    658  ADR5    DCW   00000      FIVE DIGIT ADDRESS             S   5  0658                     20
241    661  KZ3     DCW   000                                       S   3  0661                     20
242    662  KP2     DCW   &2                                        S   1  0662                     20
243    664  W2A     DCW   #2                                        S   2  0664                     20
244    665  K9      DCW   9                                         S   1  0665                     21
245    667  KM10    DCW   @I0@                                      S   2  0667                     21
246    669  W2B     DCW   #2                                        S   2  0669                     21
247    670  KP1     DCW   &1                                        S   1  0670                     21
248    672  KP15    DCW   &15                                       S   2  0672                     21
249    680  XQTD    DCW   @EXECUTED@                                S   8  0680                     21
250                SFX             END OF SNAPSHOT ROUTINE
251         *
252         * STORAGE FOR PARAMETER CARD
253         *
254                DA    1X19                                                0681   0699              21
255    685  PWORD         5   THE WORD PARAM                                 0685              SBFLD
256    688  TOPCOR        8   TOP CORE ADDRESS FROM PARAM CARD                0688              SBFLD
257    690  IMOD          10  INTEGER MODULUS -- NUMBER OF DIGITS             0690              SBFLD
258    692  MANTIS        12  FLOATING POINT MANTISSA DIGITS                  0692              SBFLD
259    693  CONDNS        13  P FOR CONDENSED DECK                            0693              SBFLD
260    694  SNAPSW        14  S FOR SNAPSHOT                                  0694              SBFLD
261    695  C1410         15  T IF RUN ON 1410 IN 1401 COMPATIBILITY MODE     0695              SBFLD
262    696  FMTSW         16  X FOR NO FORMAT, L FOR LIMITED FORMAT           0696              SBFLD
263         *                 BLANK FOR ORDINARY, A FOR A CONVERSION
264    699  PARAM         19  PARAMETER CARD IS STORED HERE                   0699              SBFLD
```

```
SEQ PG LIN  LABEL   OP    OPERANDS                                  SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

265                 JOB   LOAD NEXT OVERLAY
266         *
267         * THE DEFAULT IS TO LOAD A BLOCK AT 201 AND BRANCH TO IT, ASSUMING
268         * IT'S AN INTERPHASE CLEAR OR LOAD BLOCK. IF LOADED FROM AN
269         * AUTOCODER TAPE, THE ADDRESSES ARE CHANGED TO 1. IF LOADED FROM
270         * CARDS THE LOAD AND ENTRY ADDRESSES ARE IRRELEVANT.
271         *
272                 ORG   700                                                    0700
273 *       LOADNX  R     40          CARD OVERLAY UNLESS NOP                 4  0700  1 040              22   040
274 *       CDOVLY  EQU   LOADNX      1 IF LOADING FROM CARDS, N IF FROM TAPE    0700
275 *       TPREAD  RTW   1,201       LOAD OVERLAY FROM TAPE                  8  0704  L %U1 201 R        22   %U1     201
276                 BER   TPERR       ERROR?                                  5  0712  B 728 L            22   728
277                 SBR   18,TPERR    IN CASE OF LOADING FROM AUTOCODER TAPE   7  0717  H 018 728          22   018     728
278         LOADEX  B     201         NO, RUN THE OVERLAY                     4  0724  B 201              22   201
279         *
280         * TAPE ERROR HANDLER ASSUMES BER IMMEDIATELY FOLLOWS RTW.
281         * TAPE INSTRUCTION IS COPIED INTO THE ERROR-COUNT LOOP.
282         *
283 *       TPERR   SBR   TPERRX&3                                        4  0728  H 775              22   775
284                 SBR   MVREAD&3                                        4  0732  H 746              22   746
285                 MA    KM6,MVREAD&3  BACK UP TO THE TAPE INSTRUCTION   7  0736  # 804 746          23   804     746
286         MVREAD  MCW   0-0,REREAD&7  COPY THE TAPE INSTRUCTION         7  0743  M 000 766          23   000     766
287         RESTRT  ZA    ECOUNT        CLEAR ERROR COUNTER               4  0750  ? 801              23   801
288         RETRY   BSP   1                                               5  0754  U %U1 B            23   %U1
289         REREAD  RTW   0-0,0-0       OVERLAID BY THE TAPE INSTRUCTION  8  0759  L %U0 000 R        23   %U0     000
290                 BER   *&5           Q: ERROR?                         5  0767  B 776 L            23   776
291         TPERRX  B     0-0           A: NO, DONE                       4  0772  B 000              24   000
292                 A     *-6,ECOUNT    BUMP ERROR COUNTER                7  0776  A 776 801          24   776     801
293                 BCE   RETRY,ECOUNT-1,0  NOT TEN YET?                  8  0783  B 754 800 0        24   754     800
294         NOP     NOP   3333        TOO MANY TAPE ERRORS              4  0791  N C33              24  3333
295                 H                                                     1  0795  .                  24
296                 B     RESTRT      RESTART THE ERROR COUNTER         4  0796  B 750              24   750
297         ECOUNT  DCW   00                                            2  0801                     24
298         KM6     DSA   16000-6                                       3  0804  I9D                25 15994
299         *
300         * START HERE. SET UP THE LOADER AND LOAD PHASE 1.
301         *
302                 EXT03   START, TOP OF PHASE 3, WHERE MOST PHASES BEGIN                          MACRO
303         BEGIN3  EQU   838                                                  0838                GEN
304         TOP3    EQU   2600                                                 2600                GEN
305         *
306                 ORG   BEGIN3        CLEAR ROUTINE CLEARS DOWN TO X00              0838
307         BEGIN0  CS    0             GET MEMORY SIZE                   4  0838  / 000              26   000
308                 SBR   SIZE                                            4  0842  H 926              26   926
309                 BWZ   SMALL,SIZE,2  NO ZONE MEANS 4K OR SMALLER       8  0846  V 900 926 2        26   900     926
310                 BCE   LOADNX,1,     CARDS FROM REAL AUTOCODER?        8  0854  B 700 001          26   700     001
311                 BCE   LOADNX,68,B     OR VAN'S AUTOCODER WITH FAST XFR? 8  0862  B 700 068 B      26   700     068
312                 MCW   NOP,LOADNX    NO, TURN OFF CARD OVERLAY         7  0870  M 791 700          26   791     700
313                 BCE   LOADNX,1,B    LOADED FROM COMPILER-GEN TAPE BLOCKS? 8  0877  B 700 001 B    27   700     001
314                 SBR   TPREAD&6,1    AUTOCODER TAPE BLOCKS LOAD AT 1   7  0885  H 710 001          27   710     001
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SEQ PG LIN  LABEL   OP    OPERANDS                                    SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR
315                 SBR   LOADEX&3        AND ENTER AT 1              4  0892  H 727               27   727
316                 B     LOADNX        LOAD PHASE 1                  4  0896  B 700               27   700
317         SMALL   CS    332                                         4  0900  / 332               27   332
318                 CS                                                1  0904  /                   27
319                 MCW   MSG,237                                     7  0905  M 963 237           27   963     237
320                 W                                                 1  0912  2                   28
321                 CC    1                                           2  0913  F 1                 28
322         H6666   NOP   6666                                        4  0915  N O6W               28  6666
323                 H                                                 1  0919  .                   28
324                 B     H6666                                       4  0920  B 915               28   915
325         SIZE    DSA   0                                           3  0926  000                 28   000
326         MSG     DCW   @MESSAGE 0 - PROGRAM NEEDS AT LEAST 8K@    37  0963                      29
327         GMWM    DCW   @}@                                        1  0964              GMARK   29
328                 XFR   BEGIN0                                           B 838               29   838
329         *
330         * GENERATE A CLEAR BLOCK FROM BEGIN0 TO GMWM
331         *
332         CLR0    CLRA  BEGIN0,GMWM                                                      MACRO
            *       CLRA  CLRBOT,CLRTOP[,SS,HERE,GWMAD]                                    GEN
            *                                                                              GEN
            * CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS                            GEN
            *                                                                              GEN
333                 ORG   201                                                 0201
            *                                                                              GEN
            * CLEAR DOWN TO CLRBOT & X00 THE EASY WAY                                      GEN
            *                                                                              GEN
334         CLR0    EQU   *&1                                          0201                GEN
335         )0J002  CS    GMWM          CLEAR FROM CLRTOP             4  0201  / 964       GEN     31   964
336                 SBR   )0J002&3                                      4  0205  H 204       GEN     31   204
337                 SBR   )0L002&6                                      4  0209  H 250       GEN     31   250
338                 C     )0J002&3,)0M002   DOWN TO CLRBOT & X00?      7  0213  C 204 261   GEN     31   204     261
339                 BU    )0J002                                        5  0220  B 201 /     GEN     31   201
            *                                                                              GEN
            * NOW CLEAR DOWN TO CLRBOT THE HARD WAY                                       GEN
            *                                                                              GEN
340         )0K002  C     )0L002&6,)0N002                               7  0225  C 250 264   GEN     31   250     264
341                 BU    )0L002                                        5  0232  B 244 /     GEN     31   244
342                 CS    LOADNX,)0Q002  LOAD THE NEXT BLOCK AT 1       7  0237  / 700 271   GEN     32   700     271
343         )0L002  LCA   )0P002,0-0     CLEAR WITH BLANK AND WORD MARK 7  0244  L 265 000   GEN     32   265     000
344                 SBR   )0L002&6                                      4  0251  H 250       GEN     32   250
345                 B     )0K002                                        4  0255  B 225       GEN     32   225
346         )0M002  DSA   )0R002         CLRBOT & X00 - 1              3  0261  899         GEN     32   899
347         )0N002  DSA   BEGIN0         CLRBOT                        3  0264  838         GEN     32   838
348         )0P002  DCW   #1                                           1  0265              GEN     32
349                 DC    @CLRA @     IDENTIFY IN A DECK, TAPE, OR DUMP 5  0270              GEN     32
350         )0Q002  DCW   @}@                                          1  0271              GEN     33
351                 ORG   BEGIN0&X00                                          0900
352         )0R002  EQU   *           CLRBOT & X00 - 1                     0899              GEN
353                 XFR   CLR0       PROHIBITED IN A MACRO                       B 201               33   201
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J002	0201: 0	)0K002	0225: 0	)0L002	0244: 0	)0M002	0261: 0	)0N002	0264: 0	)0P002	0265: 0
)0Q002	0271: 0	)0R002	0899: 0	ADR5 S	0658: 0	ARYSIZ	0160: 0	ARYTOP	0194: 0	BEGIN0	0838: 0
BEGIN3	0838: 0	BOTFMT	0154: 0	BUMP3S	0632: 0	C1410	0695: 0	CDOVLY	0700: 0	CLEARH	0433: 0
CLR0	0201: 0	CONDNS	0693: 0	CONT S	0568: 0	DOCNT	0151: 0	DOTS S	0651: 0	DOWM S	0520: 0
ECOUNT	0801: 0	EXIT S	0564: 0	EXPF	0120: 0	FLOATF	0125: 0	FMTSW	0696: 0	GET S	0497: 0
GLOBER	0184: 0	GMWM	0964: 0	GOTXL	0185: 0	H6666	0915: 0	HALT S	0563: 0	IMOD	0690: 0
K9 S	0665: 0	KM10 S	0667: 0	KM6	0804: 0	KP1 S	0670: 0	KP15 S	0672: 0	KP2 S	0662: 0
KZ3 S	0661: 0	LOADEX	0724: 0	LOADNX	0700: 0	LOGF	0119: 0	LOOP S	0459: 0	MANTIS	0692: 0
MSG	0963: 0	MVREAD	0743: 0	NEGAR2	0142: 0	NEGAR3	0157: 0	NEGARY	0163: 0	NOP	0791: 0
NSTMTS	0183: 0	PARAM	0699: 0	PHASID	0110: 0	PHASLD	0381: 0	PWORD	0685: 0	RELTAB	0188: 0
REREAD	0759: 0	RESTRT	0750: 0	RETRY	0754: 0	RX1 S	0535: 0	SAWABS	0122: 0	SAWNEG	0123: 0
SEQTAB	0148: 0	SERIES	0117: 0	SINCOS	0118: 0	SIZE	0926: 0	SKIP S	0621: 0	SMALL	0900: 0
SNAPEX	0564: 0	SNAPSH	0333: 0	SNAPSW	0694: 0	SUBENT	0191: 0	SUBSCR	0116: 0	SX1 S	0416: 0
SX3 S	0409: 0	SXX S	0402: 0	TBLBOT	0145: 0	TOP3	2600: 0	TOPCOR	0688: 0	TPERR	0728: 0
TPERRX	0772: 0	TPREAD	0704: 0	W2A S	0664: 0	W2B S	0669: 0	X1	0089: 0	X2	0094: 0
X3	0099: 0	XFIXF	0124: 0	XQTD S	0680: 0	XXXXX1	0089: 0	XXXXX2	0094: 0	XXXXX3	0099: 0

UNREFERENCED SYMBOLS

ARYSIZ ARYTOP BOTFMT C1410 CDOVLY CONDNS DOCNT EXPF FLOATF FMTSW GLOBER GOTXL IMOD LOGF MANTIS NEGAR2 NEGAR3
NEGARY NSTMTS PARAM PHASLD PWORD RELTAB SAWABS SAWNEG SEQTAB SERIES SINCOS SNAPEX SNAPSH SNAPSW SUBENT SUBSCR TBLBOT
TOP3 XFIXF