```
CLEAR STORAGE 1     ,008015,022026,030037,044,049,053053N000000N00001026                                  1
CLEAR STORAGE 2     L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0?                2
BOOTSTRAP           ,008015,022029,036040,047054,061068,072/061039             ,0010011040                3

                          FORTRAN COMPILER -- STMT NUMBERS FOUR -- PHASE 30                          PAGE    1

 SEQ PG LIN  LABEL  OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD

 101               JOB   FORTRAN COMPILER -- STMT NUMBERS FOUR -- PHASE 30
 102               CTL   6611
 103         *
 104         * THE THREE-CHARACTER EQUIVALENTS OF STATEMENT NUMBERS WHICH
 105         * IDENTIFY STATEMENTS ARE MATCHED AGAINST THE STATEMENT NUMBER
 106         * TABLE.  WHEN THE EQUIVALENT IS FOUND, THE SEQUENCE NUMBER
 107         * GENERATED BY THE COMPILER FOR THAT STATEMENT IS SUBSTITUTED
 108         * IN THE TABLE.  UNREFERENCED AND MULTI-DEFINED STATEMENT
 109         * NUMBERS ARE NOTED.
 110         *
 111         X1     EQU   89                                                    0089
 112         X2     EQU   94                                                    0094
 113         X3     EQU   99                                                    0099
 114         *
 115         * STUFF IN THE RESIDENT AREA
 116         *
 117         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                    0110
 118         SEQTAB EQU   148  BOTTOM OF SEQUENCE NUMBER TABLE - 2             0148
 119         GLOBER EQU   184  GLOBAL ERROR FLAG -- WM MEANS ERROR             0184
 120         SNAPSH EQU   333  CORE DUMP SNAPSHOT                             0333
 121         LOADNX EQU   700  LOAD NEXT OVERLAY                              0700
 122         CLEARL EQU   707  CS AT START OF OVERLAY LOADER                   0707
 123         TPREAD EQU   780  TAPE READ INSTRUCTION IN OVERLAY LOADER         0780
 124         LOADXX EQU   793  EXIT FROM OVERLAY LOADER                       0793
 125         CLRBOT EQU   833  BOTTOM OF CORE TO CLEAR IN OVERLAY LOADER       0833
 126         *
 127         BNDRY  EQU   849  TOPCOD + 0.48 * (BOTTAB - 1 - TOPCOD)          0849
 128         MOVE   EQU   937  MOVE EITHER PREFIX OR STATEMENT UP              0937
 129         HASH   EQU   964  COMPUTE HASH PROBE                              0964
 130         SOUGHT EQU   1051  LABEL SOUGHT IN HASH PROBE ROUTINE            1051
 131         SX1A   EQU   1054                                                 1054
 132         SEQCOD EQU   1062                                                 1062
 133         SAVBOT EQU   1065  BOTTOM OF SEQUENCE NUMBER TABLE               1065
 134         TOOBIG EQU   1066                                                 1066
 135         SX1    EQU   1143                                                 1143
 136         *
 137               ORG   1187                                                       1187
 138         LOADDD EQU   *&1          LOAD ADDRESS                            1187
 139  1 187  BEGINN LCA   KB1,0&X2                                         7  1187  L W25 0!0            4
 140  1 194         SW    GM                                              4  1194  , X25                4
 141  1 198         MCW   X1,X2                                           7  1198  M 089 094            4
 142  1 205  NXSTMT BCE   DONE,0&X1,                                      8  1205  B U84 0|0            4
 143  1 213         MCW   0&X1,SEQCOD                                     7  1213  M 0|0 |62            4
 144  1 220         SAR   X1                                              4  1220  Q 089                4
 145  1 224         BCE   NOLABL,0&X1,}                                   8  1224  B V69 0|0 } GMARK    5
 146  1 232         B     HASH  COMPUTE HASH PROBE                        4  1232  B 964                5
 147         * LOOKUP IN HASH TABLE
```

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SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD
148  1 236          MCW   NOP,SWITCH                                          7  1236  M W26 T90            5
149  1 243  LOOKL1  MCW   0&X1,X3                                            7  1243  M 0|0 099            5
150  1 250          SAR   X1                                                4  1250  Q 089                5
151  1 254          BW    LOOK2,1&X1                                        8  1254  V S94 0|1 1          5
152  1 262          BCE   SWITCH,3&X1,<  BOTTOM OF THE TABLE                8  1262  B T90 0|3 <          6
153  1 270          BCE   UNREF,1&X1,  PROBED HASH ENTRY IS EMPTY           8  1270  B U12 0|1            6
154  1 278          C     3&X1,SOUGHT                                       7  1278  C 0|3 |51            6
155  1 285          BU    LOOKL1                                            5  1285  B S43 /              6
156  1 290          B     DOUBLE                                            4  1290  B U46                6
157  1 294  LOOK2   C     0&X3,SOUGHT                                       7  1294  C 0?0 |51            6
158  1 301          BU    LOOKL1                                            5  1301  B S43 /              7
159  1 306          MZ    SEQCOD-1,SVZONE                                   7  1306  Y |61 W27            7
160  1 313          MZ    *-4,SEQCOD-1                                      7  1313  Y T15 |61            7
161  1 320          MCW   SEQCOD,0&X3                                       7  1320  M |62 0?0            7
162  1 327          SBR   X3                                                4  1327  H 099                7
163  1 331          CW    1&X3  NO WM IN LABEL TABLE MEANS DEFINED          4  1331  ) 0?1                7
164  1 335          MCW   3&X1,SEQCOD                                       7  1335  M 0|3 |62            8
165  1 342          MZ    SVZONE,SEQCOD-1                                   7  1342  Y W27 |61            8
166  1 349          MCW   SOUGHT,3&X1                                       7  1349  M |51 0|3            8
167  1 356          CW    1&X1  NO WM IN HASH TABLE MEANS DEFINED           4  1356  ) 0|1                8
168  1 360  LOOK3   MCW   SX1A,X1                                           7  1360  M |54 089            8
169  1 367  NOLABB  SBR   X1,4&X1  BACK HERE FROM NOLABL                    7  1367  H 089 0|4            8
170  1 374          MCW   SEQCOD                                           4  1374  M |62                9
171  1 378          B     MOVE                                              4  1378  B 937                9
172  1 382          B     MOVE                                              4  1382  B 937                9
173  1 386          B     NXSTMT                                            4  1386  B S05                9
174          *
175  1 390  SWITCH  NOP   UNREF  GOT HERE TWICE?                            4  1390  N U12                9
176  1 394          MCW   BRANCH,SWITCH                                     7  1394  M W28 T90            9
177  1 401          MCW   BNDRY,X1                                          7  1401  M 849 089            9
178  1 408          B     LOOKL1                                            4  1408  B S43               10
179          *
180  1 412  UNREF   CS    332                                               4  1412  / 332               10
181  1 416          CS                                                      1  1416  /                   10
182  1 417          MN    SEQCOD,250                                        7  1417  D |62 250            10
183  1 424          MN                                                      1  1424  D                   10
184  1 425          MN                                                      1  1425  D                   10
185  1 426          MCW   ERR19                                             4  1426  M W75               10
186  1 430          W                                                       1  1430  2                   11
187  1 431          BCV   *&5                                               5  1431  B U40 @             11
188  1 436          B     *&3                                               4  1436  B U42               11
189  1 440          CC    1                                                 2  1440  F 1                 11
190  1 442          B     UNREF2                                            4  1442  B V62               11
191          *
192  1 446  DOUBLE  CS    332                                               4  1446  / 332               11
193  1 450          CS                                                      1  1450  /                   11
194  1 451          SW    GLOBER                                            4  1451  , 184               12
195  1 455          MN    SEQCOD,245                                        7  1455  D |62 245            12
196  1 462          MN                                                      1  1462  D                   12
197  1 463          MN                                                      1  1463  D                   12
```

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SEQ PG LIN  LABEL   OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD
198  1 464          MCW   ERR20                                               4  1464  M X17               12
199  1 468          W                                                         1  1468  2                   12
200  1 469          BCV   *&5                                                 5  1469  B U78 @             12
201  1 474          B     *&3                                                 4  1474  B U80               13
202  1 478          CC    1                                                   2  1478  F 1                 13
203  1 480          B     LOOK3                                               4  1480  B T60               13
204         *
205  1 484  DONE    MCW   SAVBOT,X3                                          7  1484  M |65 099           13
206  1 491          LCA   GM,0&X3                                            7  1491  L X25 0?0           13
207  1 498          SBR   X3                                                  4  1498  H 099               13
208  1 502          SBR   SEQTAB                                             4  1502  H 148               13
209  1 506          CS    0&X2                                                4  1506  / 0!0               14
210  1 510          MCW   SX1,X1                                            7  1510  M /43 089           14
211  1 517          SW    0&X2                                                4  1517  , 0!0               14
212  1 521          BSS   SNAPSH,C                                          5  1521  B 333 C             14
213  1 526          SBR   TPREAD&6,838                                       7  1526  H 786 838           14
214  1 533          SBR   CLRBOT                                            4  1533  H 833               14
215  1 537          SBR   LOADXX&3,838                                      7  1537  H 796 838           14
216  1 544          SBR   CLEARL&3,GMWM                                     7  1544  H 710 X26           15
217  1 551          LCA   STNUM5,PHASID                                     7  1551  L X24 110           15
218  1 558          B     LOADNX                                              4  1558  B 700               15
219         *
220  1 562  UNREF2  MCW   SX1A,X1                                           7  1562  M |54 089           15
221  1 569  NOLABL  BCE   *&5,SEQCOD-3,D  DO STATEMENT?                      8  1569  B V81 |59 D         15
222  1 577          B     NOLABB                                              4  1577  B T67               15
223  1 581          MCW   SAVBOT,X3                                          7  1581  M |65 099           16
224  1 588          MCW   SEQCOD,0&X3                                       7  1588  M |62 0?0           16
225  1 595          SBR   X3                                                  4  1595  H 099               16
226  1 599          BCE   TOOBIG,0&X3,<                                     8  1599  B |66 0?0 <         16
227  1 607          MCW   SAVBOT,SEQCOD                                     7  1607  M |65 |62           16
228  1 614          SBR   SAVBOT,1&X3                                       7  1614  H |65 0?1           17
229  1 621          B     NOLABB                                              4  1621  B T67               17
230  1 625  KB1     DCW   #1                                                  1  1625                      17
231  1 626  NOP     NOP                                                       1  1626  N                   17
232  1 627  SVZONE  DCW   #1                                                  1  1627                      17
233  1 628  BRANCH  B                                                         1  1628  B                   17
234  1 675  ERR19   DCW   @ERROR 19 - UNREFERENCED STMT NUMBER, STATEMENT @  47  1675                      19
235  1 717  ERR20   DCW   @ERROR 20 - DOUBLY DEFINED STMT, STATEMENT @      42  1717                      21
236  1 724  STNUM5  DCW   @STNUM 5@                                           7  1724                      21
237  1 725  GM      DC    @}@                                                 1  1725          GMARK       21
238  1 726  GMWM    DCW   @}@                                                 1  1726          GMARK       21
239             ORG   201                                                          0201
240    203      DSA   LOADDD    LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM         3  0203  /87                 22
241             END   BEGINN                                                    / /87 080
```

FORTRAN COMPILER -- STMT NUMBERS FOUR -- PHASE 30 PAGE 4

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BEGINN	1187	BNDRY	849	BRANCH	1628	CLEARL	707	CLRBOT	833	DONE	1484	DOUBLE	1446
ERR19	1675	ERR20	1717	GLOBER	184	GM	1725	GMWM	1726	HASH	964	KB1	1625
LOADDD	1187	LOADNX	700	LOADXX	793	LOOK2	1294	LOOK3	1360	LOOKL1	1243	MOVE	937
NOLABB	1367	NOLABL	1569	NOP	1626	NXSTMT	1205	PHASID	110	SAVBOT	1065	SEQCOD	1062
SEQTAB	148	SNAPSH	333	SOUGHT	1051	STNUM5	1724	SVZONE	1627	SWITCH	1390	SX1	1143
SX1A	1054	TOOBIG	1066	TPREAD	780	UNREF	1412	UNREF2	1562	X1	89	X2	94
X3	99												

```
CLEAR STORAGE 1     ,008015,022026,030037,044,049,053053N000000N00001026                                  1
CLEAR STORAGE 2     L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0?                2
BOOTSTRAP           ,008015,022029,036040,047054,061068,072/061039              ,0010011040               3
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PAGE 1

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 SEQ PG LIN  LABEL  OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD

 101               END                                                                 / 000 080
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SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS