```
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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                       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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                    FORTRAN COMPILER -- STMT NUMBERS FOUR -- PHASE 30                          PAGE    3

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
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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												

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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

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

101   END   / 000 080

phase-30.29.asc   Mon Jul 14 23:50:05 2008   5

SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS SYMBOL ADDRESS