```
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 -- RESORT 2 PHASE -- PHASE 48                          PAGE    1

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

 101               JOB   FORTRAN COMPILER -- RESORT 2 PHASE -- PHASE 48
 102               CTL   6611
 103         *
 104         * THE RESORT TABLE IS FILLED WITH THE CURRENT LOCATION
 105         * OF EACH STATEMENT.
 106         *
 107         * ON ENTRY, X1 AND X2 ARE THE BOTTOM OF THE PREFIX OF THE
 108         * BOTTOMMOST STATEMENT IN HIGH CORE, AND X3 IS THE BOTTOM
 109         * OF THE BOTTOMMOST STATEMENT IN HIGH CORE.
 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         NSTMTS EQU   183  NUMBER OF STATEMENTS, INCLUDING GENERATED STOP    0183
 120         *                 BEGINNING OF GENERATED CODE ON EXIT.
 121         SNAPSH EQU   333  CORE DUMP SNAPSHOT                                0333
 122         LOADNX EQU   700  LOAD NEXT OVERLAY                                 0700
 123         CLEARL EQU   707  CS AT START OF OVERLAY LOADER                      0707
 124         *
 125         * STUFF FROM THE PREVIOUS PHASE
 126         *
 127         SX3    EQU   844                                                     0844
 128         TABBOT EQU   847  BOTTOM OF RESORT TABLE                            0847
 129         SX2    EQU   853                                                     0853
 130         W3     EQU   859                                                     0859
 131         TOPC   EQU   862  TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1       0862
 132         SEQNO  EQU   865  SEQUENCE NUMBER OF STATEMENT BEING PROCESSED      0865
 133         TOPC5  EQU   870  TOPC AS FIVE DIGITS                               0870
 134         TIMES6 EQU   875  DOCNT TIMES 6                                     0875
 135         TOPB   EQU   883  TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1       0883
 136         FLAG   EQU   884                                                     0884
 137         ADR5B  EQU   891                                                     0891
 138         ADR5   EQU   896                                                     0896
 139         CONV53 EQU   929  CONVERT FIVE DIGITS IN ADR5 TO ADDRESS           0929
 140         CONV35 EQU   969  CONVERT ADDRESS IN ADR5 TO DIGITS IN ADR5B       0969
 141         FINDGM EQU   1052  FIND NEXT HIGHER GM                             1052
 142         *
 143         SORTAB EQU   2499  SORT TABLE                                      2499
 144         *
 145               ORG   1175                                                          1175
 146         LOADDD EQU   *&1          LOAD ADDRESS                              1175
 147  1 175  BEGINN MCW   TOPB,X3                                             7  1175  M 883 099            4
```

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SEQ PG LIN  LABEL  OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD
148  1 182         B     FIRST                                               4  1182  B S25               4
149  1 186  LOOP   SBR   X2,2&X2                                            7  1186  H 094 0!2           4
150  1 193         MZ    X3,SX3                                            7  1193  Y 099 844           4
151  1 200         MCW   X2,X3                                             7  1200  M 094 099           4
152  1 207         B     FINDGM                                            4  1207  B |52               4
153  1 211         MCW   X3,X2                                             7  1211  M 099 094           5
154  1 218         MCW   SX3,X3                                            7  1218  M 844 099           5
155  1 225  FIRST  SBR   SX2,2&X2                                          7  1225  H 853 0!2           5
156  1 232         BWZ   *&5,0&X2,2                                        8  1232  V S44 0!0 2         5
157  1 240         B     *&9                                               4  1240  B S52               5
158  1 244         BWZ   *&19,2&X2,2                                       8  1244  V S70 0!2 2         6
159  1 252         MCW   2&X2,X2                                           7  1252  M 0!2 094           6
160  1 259         MCW   0&X2,X2  GET SEQUENCE NUMBER FROM TABLE TO X2      7  1259  M 0!0 094           6
161  1 266         B     *&8                                               4  1266  B S77               6
162  1 270         MCW   2&X2,X2  GET SEQUENCE NUMBER TO X2                 7  1270  M 0!2 094           6
163  1 277         SBR   SEQNO,0&X2                                        7  1277  H 865 0!0           7
164  1 284         SBR   *&14                                              4  1284  H T01               7
165  1 288         MZ    X2ZONE,*&6                                        7  1288  Y W55 T00           7
166  1 295         SBR   X2,0                                             7  1295  H 094 000           7
167  1 302         MCW   SEQNO,*&14                                        7  1302  M 865 T22           7
168  1 309         MZ    X2ZONE,*&6                                        7  1309  Y W55 T21           7
169  1 316         SBR   X2,0     DOUBLE SEQUENCE NUMBER THE HARD WAY???    7  1316  H 094 000           8
170  1 323         C     SORTAB&X2,KB3  SORT TABLE ENTRY EMTPY?            7  1323  C MR9 W58           8
171  1 330         BU    *&12     NO                                       5  1330  B T46 /             8
172  1 335         MCW   X1,SORTAB&X2                                      7  1335  M 089 MR9           8
173  1 342         B     LINKED                                            4  1342  B T96               8
174  1 346         SW    3&X3     LINK ANOTHER STATEMENT                   4  1346  , 0?3               8
175  1 350         MCW   SORTAB&X2,5&X3  OF THE SAME SEQUENCE NUMBER       7  1350  M MR9 0?5           9
176  1 357         CW    3&X3              TO THE TABLE.  THIS CAN         4  1357  ) 0?3               9
177  1 361         MCW   X1,2&X3             HAPPEN WITH                   7  1361  M 089 0?2           9
178  1 368         MCW   K1,FLAG               DO STATEMENTS               7  1368  M W59 884           9
179  1 375         SBR   SORTAB&X2,2&X3                                    7  1375  H MR9 0?2           9
180  1 382         MZ    X1ZONE,SORTAB-1&X2  MARK FIRST AS LINKED          7  1382  Y W60 MR8           9
181  1 389         SBR   X3,6&X3                                           7  1389  H 099 0?6          10
182  1 396  LINKED MCW   SX2,X2                                           7  1396  M 853 094          10
183  1 403         C     SEQTAB,SX2                                        7  1403  C 148 853          10
184  1 410         BU    WHAT                                              5  1410  B V90 /            10
185  1 415         BCE   ONE,FLAG,0                                       8  1415  B U48 884 0        10
186  1 423         MCW   K0,FLAG                                          7  1423  M W61 884          11
187  1 430         MCW   X1,X3                                            7  1430  M 089 099          11
188  1 437         B     FINDGM                                            4  1437  B |52              11
189  1 441         MZ    X1ZONE,1&X3                                       7  1441  Y W60 0?1          11
190  1 448  ONE    MCW   TOPC,X2                                           7  1448  M 862 094          11
191  1 455         LCA   COLON,0&X2                                       7  1455  L W62 0!0          11
192  1 462         MCW   TABBOT,X3                                        7  1462  M 847 099          12
193  1 469         SBR   X3,3&X3                                           7  1469  H 099 0?3          12
194  1 476         MCW   86,ADR5                                           7  1476  M 086 896          12
195  1 483         B     CONV35                                            4  1483  B 969              12
196  1 487         MCW   ADR5B,TOPC5                                       7  1487  M 891 870          12
197  1 494         SBR   ADR5,0&X2                                        7  1494  H 896 0!0          12
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SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD
198  1 501          B     CONV35                                            4  1501  B 969               13
199  1 505          MCW   ADR5B,TIMES6                                      7  1505  M 891 875           13
200  1 512          S     TIMES6,TOPC5                                      7  1512  S 875 870           13
201  1 519          BM    *&5,TOPC5                                         8  1519  V V31 870 K         13
202  1 527          B     *&8                                               4  1527  B V38               13
203  1 531          A     K16K,TOPC5                                        7  1531  A W67 870           13
204  1 538          MCW   TOPC5,ADR5                                       7  1538  M 870 896           14
205  1 545          B     CONV53                                            4  1545  B 929               14
206  1 549          MCW   ADR5,W3                                         7  1549  M 896 859           14
207  1 556          SBR   X2,1&X2                                         7  1556  H 094 0!1           14
208  1 563          SBR   NSTMTS                                          4  1563  H 183               14
209  1 567          BSS   SNAPSH,C                                        5  1567  B 333 C             14
210  1 572          SBR   CLEARL&3,GMWM                                   7  1572  H 710 W76           15
211  1 579          LCA   RESORT,PHASID                                   7  1579  L W75 110           15
212  1 586          B     LOADNX                                          4  1586  B 700               15
213            *
214  1 590  WHAT    MCW   X3,SX3                                          7  1590  M 099 844           15
215  1 597          MCW   X1,X3                                          7  1597  M 089 099           15
216  1 604          B     FINDGM  GET UP TO NEXT STATEMENT                4  1604  B |52               15
217  1 608          MCW   X3,X1                                          7  1608  M 099 089           16
218  1 615          MCW   SX3,X3                                         7  1615  M 844 099           16
219  1 622          BCE   ONEB,FLAG,0                                    8  1622  B W44 884 0         16
220  1 630          MCW   K0,FLAG                                        7  1630  M W61 884           16
221  1 637          MZ    X1ZONE,1&X1                                     7  1637  Y W60 0|1           16
222  1 644  ONEB    SBR   X1,4&X1                                        7  1644  H 089 0|4           17
223  1 651          B     LOOP                                            4  1651  B /86               17
224            *
225            * DATA
226            *
227  1 655  X2ZONE  DCW   @R@                                            1  1655                      17
228  1 658  KB3     DCW   #3                                             3  1658                      17
229  1 659  K1      DCW   1                                              1  1659                      17
230  1 660  X1ZONE  DCW   @Z@                                            1  1660                      17
231  1 661  K0      DCW   0                                              1  1661                      17
232  1 662  COLON   DCW   @:@                                            1  1662                      18
233  1 667  K16K    DCW   16000                                          5  1667                      18
234  1 675  RESORT  DCW   @RESORT 3@                                     8  1675                      18
235  1 676  GMWM    DCW   @}@                                            1  1676            GMARK     18
236                ORG   201                                                 0201
237    203         DSA   LOADDD    LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM  3  0203  /75               19
238                EX    BEGINN                                                  B /75               20
239                END                                                           / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ADR5	896	ADR5B	891	BEGINN	1175	CLEARL	707	COLON	1662	CONV35	969	CONV53	929
FINDGM	1052	FIRST	1225	FLAG	884	GMWM	1676	K0	1661	K1	1659	K16K	1667
KB3	1658	LINKED	1396	LOADDD	1175	LOADNX	700	LOOP	1186	NSTMTS	183	ONE	1448
ONEB	1644	PHASID	110	RESORT	1675	SEQNO	865	SEQTAB	148	SNAPSH	333	SORTAB	2499
SX2	853	SX3	844	TABBOT	847	TIMES6	875	TOPB	883	TOPC	862	TOPC5	870
W3	859	WHAT	1590	X1	89	X1ZONE	1660	X2	94	X2ZONE	1655	X3	99