```
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 1 PHASE -- PHASE 47                          PAGE    1

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

 101               JOB   FORTRAN COMPILER -- RESORT 1 PHASE -- PHASE 47
 102               CTL   6611
 103         *
 104         * AN AREA IS MADE AVAILABLE FOR A TABLE TO ASSIST IN RESORTING
 105         * THE STATEMENTS INTO THEIR ORIGINAL ORDER.
 106         *
 107         X1     EQU   89                                                          0089
 108         X2     EQU   94                                                          0094
 109         X3     EQU   99                                                          0099
 110         *
 111         * STUFF IN THE RESIDENT AREA
 112         *
 113         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                          0110
 114         DOCNT  EQU   151  COUNT OF DO STATEMENTS                                0151
 115         NSTMTS EQU   183  NUMBER OF STATEMENTS, INCLUDING GENERATED STOP        0183
 116         SNAPSH EQU   333  CORE DUMP SNAPSHOT                                    0333
 117         LOADNX EQU   700  LOAD NEXT OVERLAY                                     0700
 118         CLEARL EQU   707  CS AT START OF OVERLAY LOADER                         0707
 119         CDOVLY EQU   769  1 IF RUNNING FROM CARDS, N IF FROM TAPE              0769
 120         TPREAD EQU   780  TAPE READ INSTRUCTION IN OVERLAY LOADER               0780
 121         LOADXX EQU   793  EXIT FROM OVERLAY LOADER                              0793
 122         CLRBOT EQU   833  BOTTOM OF CORE TO CLEAR IN OVERLAY LOADER             0833
 123         *
 124         SORTAB EQU   2499  SORT TABLE                                          2499
 125         *
 126               ORG   838                                                                 0838
 127         LOADDD EQU   *&1          LOAD ADDRESS                                  0838
 128    838  W1     DCW   0                                                       1   0838                    4
 129    841  TOPA   DCW   000  TABBOT PLUS 3 X NUMBER OF STATEMENTS               3   0841                    4
 130    844         DCW   000                                                     3   0844                    4
 131    847  TABBOT DCW   000  BOTTOM OF RESORT TABLE                           3   0847                    4
 132    850         DCW   000                                                     3   0850                    4
 133    853         DCW   000                                                     3   0853                    4
 134    856  SX3    DCW   000                                                     3   0856                    4
 135    859         DCW   000                                                     3   0859                    5
 136    862  TOPC   DCW   000  TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1       3   0862                    5
 137    865         DCW   000                                                     3   0865                    5
 138    870  TOPC5  DCW   00000  TOPC AS FIVE DIGITS                             5   0870                    5
 139    875  TIMES6 DCW   00000  DOCNT TIMES 6                                   5   0875                    5
 140    880  W5     DCW   00000                                                   5   0880                    5
 141    883  TOPB   DCW   000  TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1       3   0883                    5
 142    884         DCW   0                                                       1   0884                    6
 143    886  ZONTST DCW   99   FOR TESTING ZONES                                 2   0886                    6
 144    891  ADR5B  DCW   #5                                                      5   0891                    6
 145    896  ADR5   DCW   #5                                                      5   0896                    6
 146    898  ZONES  DCW   @99@                                                    2   0898                    6
 147    900         DCW   @Z9@                                                    2   0900                    6
```

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SEQ PG LIN  LABEL  OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD
148    902         DCW   @R9@                                              2  0902                      6
149    904         DCW   @I9@                                              2  0904                      7
150    906         DCW   @9Z@                                              2  0906                      7
151    908         DCW   @ZZ@                                              2  0908                      7
152    910         DCW   @RZ@                                              2  0910                      7
153    912         DCW   @IZ@                                              2  0912                      7
154    914         DCW   @9R@                                              2  0914                      7
155    916         DCW   @ZR@                                              2  0916                      7
156    918         DCW   @RR@                                              2  0918                      8
157    920         DCW   @IR@                                              2  0920                      8
158    922         DCW   @9I@                                              2  0922                      8
159    924         DCW   @ZI@                                              2  0924                      8
160    926         DCW   @RI@                                              2  0926                      8
161    928         DCW   @II@                                              2  0928                      8
162        *
163        * CONVERT FIVE-DIGIT ADDRESS IN ADR5 TO MACHINE FORM
164        *
165    929  CONV53 SBR   CONV5X&3                                          4  0929  H 968               8
166    933         ZA    ADR5-3,X1                                         7  0933  ? 893 089           9
167    940         MZ    NOZONE,X1                                         7  0940  Y /26 089           9
168    947         A     X1                                                4  0947  A 089               9
169    951         MZ    ZONES-1&X1,ADR5-2                                 7  0951  Y 8Z7 894           9
170    958         MZ    ZONES&X1,ADR5                                     7  0958  Y 8Z8 896           9
171    965  CONV5X B     0-0                                               4  0965  B 000               9
172        *
173        * CONVERT THREE-CHARACTER ADDRESS IN ADR5 TO FIVE DIGITS IN ADR5B
174        *
175    969  CONV35 SBR   CONV3X&3                                          4  0969  H |24              10
176    973         MCW   K5B,ADR5B                                         7  0973  M /31 891          10
177    980         MN    ADR5,ADR5B                                        7  0980  D 896 891          10
178    987         MN                                                      1  0987  D                  10
179    988         MN                                                      1  0988  D                  10
180    989         MZ    ADR5,ZONTST                                       7  0989  Y 896 886          10
181    996         MZ    ADR5-2,ZONTST-1                                   7  0996  Y 894 885          10
182  1 003         MCW   AZONES,*&11                                       7  1003  M /34 |20          11
183  1 010         S     ADR5                                              4  1010  S 896              11
184  1 014  TSTZON C     ZONTST,0-0                                        7  1014  C 886 000          11
185  1 021  CONV3X BE    0-0                                               5  1021  B 000 S            11
186  1 026         A     K1,ADR5B-3                                        7  1026  A /35 888          11
187  1 033         SW    TSTZON&4                                          4  1033  , |18              11
188  1 037         A     K002,TSTZON&6                                     7  1037  A /38 |20          12
189  1 044         CW    TSTZON&4                                          4  1044  ) |18              12
190  1 048         B     TSTZON                                            4  1048  B |14              12
191        *
192        * FIND NEXT HIGHER GMWM.  LEAVE ITS ADDRESS & 1 IN X3.
193        *
194  1 052  FINDGM SBR   FINDGX&3                                          4  1052  H |91              12
195  1 056         MN    0&X3                                              4  1056  D 0?0              12
196  1 060         SAR   X3                                                4  1060  Q 099              12
197  1 064  MORE   MCM   1&X3                                              4  1064  P 0?1              12
```

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SEQ PG LIN  LABEL   OP    OPERANDS                                  SFX CT  LOCN  INSTRUCTION TYPE  CARD
198  1 068          MN                                                1  1068  D                   13
199  1 069          SBR   X3                                        4  1069  H 099               13
200  1 073          BCE   MORE,0&X3,|                               8  1073  B |64 0?0 |         13
201  1 081          SBR   X3,1&X3                                   7  1081  H 099 0?1           13
202  1 088  FINDGX  B     0-0                                       4  1088  B 000               13
203          *
204          * PROGRAM IS TOO BIG
205          *
206  1 092  TOOBIG  CS    332                                       4  1092  / 332              13
207  1 096          CS                                              1  1096  /                  13
208  1 097          CC    1                                         2  1097  F 1                14
209  1 099          MCW   ERROR2,270                                7  1099  M /74 270          14
210  1 106          W                                               1  1106  2                  14
211  1 107          CC    1                                         2  1107  F 1                14
212  1 109          BCE   HALT,CDOVLY,1                            8  1109  B /22 769 1        14
213  1 117          RWD   1                                         5  1117  U %U1 R            14
214  1 122  HALT    H     HALT                                      4  1122  . /22              14
215          *
216  1 126  NOZONE  DCW   #1                                        1  1126                     15
217  1 131  K5B     DCW   #5                                        5  1131                     15
218  1 134  AZONES  DSA   ZONES                                     3  1134  898                15
219  1 135  K1      DCW   1                                         1  1135                     15
220  1 138  K002    DCW   002                                       3  1138                     15
221  1 174  ERROR2  DCW   @MESSAGE 2 - OBJECT PROGRAM TOO LARGE@    36  1174                     16
222          *
223  1 175  BEGINN  SBR   SX3,0&X3                                  7  1175  H 856 0?0          17
224  1 182          SBR   X1,SORTAB                                 7  1182  H 089 M99          17
225  1 189          SBR   TABBOT  BOTTOM OF CODE IN LOW CORE        4  1189  H 847              17
226  1 193          MCW   NSTMTS,*&14                               7  1193  M 183 S13          17
227  1 200          MZ    X1ZONE,*&6                                7  1200  Y V23 S12          17
228  1 207  NSX3    SBR   X1,0    COMPUTE                           7  1207  H 089 000          17
229  1 214          A     K1A,W1    TABBOT PLUS                     7  1214  A V24 838          18
230  1 221          C     W1,K3       NUMBER OF STATEMENTS          7  1221  C 838 V25          18
231  1 228          BH    NSX3          TIMES 3                     5  1228  B S07 U            18
232  1 233          SBR   TOPA,0&X1                                7  1233  H 841 0|0          18
233  1 240          SBR   TOPB,1&X1                                7  1240  H 883 0|1          18
234  1 247          MCW   KB,W1                                    7  1247  M V26 838          19
235  1 254          BCE   *&5,DOCNT,                               8  1254  B S66 151          19
236  1 262          B     HAVE                                      4  1262  B S92              19
237  1 266          SBR   TOPC,1&X1                                7  1266  H 862 0|1          19
238  1 273          SBR   ADR5                                      4  1273  H 896              19
239  1 277          B     CONV35                                    4  1277  B 969              19
240  1 281          MCW   ADR5B,TOPC5                              7  1281  M 891 870          20
241  1 288          B     NOT                                       4  1288  B T61              20
242  1 292  HAVE    MCW   DOCNT,TIMES6                             7  1292  M 151 875          20
243  1 299          A     TIMES6                                    4  1299  A 875              20
244  1 303          A     TIMES6                                    4  1303  A 875              20
245  1 307          A     DOCNT                                     4  1307  A 151              20
246  1 311          A     DOCNT,TIMES6                              7  1311  A 151 875          20
247  1 318          SBR   ADR5,1&X1                                7  1318  H 896 0|1          21
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SEQ PG LIN  LABEL   OP    OPERANDS                                SFX CT  LOCN  INSTRUCTION TYPE  CARD
248  1 325          B     CONV35                                     4  1325  B 969               21
249  1 329          MCW   ADR5B,TOPC5                                7  1329  M 891 870           21
250  1 336          A     TIMES6,TOPC5                               7  1336  A 875 870           21
251  1 343          MCW   TOPC5,ADR5                                 7  1343  M 870 896           21
252  1 350          B     CONV53                                     4  1350  B 929               21
253  1 354          MCW   ADR5,TOPC                                  7  1354  M 896 862           22
254  1 361  NOT     MCW   SX3,ADR5                                   7  1361  M 856 896           22
255  1 368          B     CONV35                                     4  1368  B 969               22
256  1 372          MCW   ADR5B,W5                                  7  1372  M 891 880           22
257  1 379          C     TOPC5,W5                                   7  1379  C 870 880           22
258  1 386          BH    *&5                                        5  1386  B T95 U             22
259  1 391          B     TOOBIG                                     4  1391  B |92               23
260  1 395          CC    1                                          2  1395  F 1                 23
261  1 397          CS    332                                        4  1397  / 332               23
262  1 401          CS                                               1  1401  /                   23
263  1 402          MCW   STRTNG,243                                 7  1402  M V56 243           23
264  1 409          W                                                1  1409  2                   23
265  1 410          CC    K                                          2  1410  F K                 23
266  1 412          CS    332                                        4  1412  / 332               24
267  1 416          CS                                               1  1416  /                   24
268  1 417          MCW   SEQ,208                                    7  1417  M V59 208           24
269  1 424          MCW   STRTA,242                                  7  1424  M V75 242           24
270  1 431          MCW   DISPLA,256                                 7  1431  M V82 256           24
271  1 438          W                                                1  1438  2                   24
272  1 439          CC    J                                          2  1439  F J                 24
273  1 441          CS    332                                        4  1441  / 332               25
274  1 445          CS                                               1  1445  /                   25
275  1 446          LCA   K000,208                                   7  1446  L V85 208           25
276  1 453          MCW   SX3,X1                                     7  1453  M 856 089           25
277  1 460          SBR   X1,2&X1                                   7  1460  H 089 0|2           25
278  1 467          SBR   X3                                         4  1467  H 099               25
279  1 471          B     FINDGM                                     4  1471  B |52               25
280  1 475          MCW   X3,X2                                      7  1475  M 099 094           26
281  1 482          BSS   SNAPSH,C                                   5  1482  B 333 C             26
282  1 487          SBR   TPREAD&6,1175                              7  1487  H 786 /75           26
283  1 494          SBR   CLRBOT                                     4  1494  H 833               26
284  1 498          SBR   LOADXX&3,1175                             7  1498  H 796 /75           26
285  1 505          SBR   CLEARL&3,GMWM                             7  1505  H 710 V94           26
286  1 512          LCA   RESORT,PHASID                             7  1512  L V93 110           27
287  1 519          B     LOADNX                                     4  1519  B 700               27
288         *
289         * DATA
290         *
291  1 523  X1ZONE DCW   @Z@                                        1  1523                      27
292  1 524  K1A    DCW   1                                          1  1524                      27
293  1 525  K3     DCW   3                                          1  1525                      27
294  1 526  KB     DCW   #1                                         1  1526                      27
295  1 556  STRTNG DCW   @STARTING ADDRESS OF STATEMENTS@          30  1556                      28
296  1 559  SEQ    DCW   @SEQ@                                      3  1559                      28
297  1 575  STRTA  DCW   @STARTING ADDRESS@                       16  1575                      29
```

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SEQ PG LIN  LABEL  OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD
298  1 582  DISPLA DCW   @DISPLAY@                                             7  1582                      29
299  1 585  K000   DCW   000                                                   3  1585                      29
300  1 593  RESORT DCW   @RESORT 2@                                           8  1593                      29
301  1 594  GMWM   DCW   @}@                                                  1  1594             GMARK    29
302                ORG   201                                                          0201
303    203         DSA   LOADDD    LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM      3  0203  838                 30
304                EX    BEGINN                                                       B /75                31
305                END                                                                / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ADR5	896	ADR5B	891	AZONES	1134	BEGINN	1175	CDOVLY	769	CLEARL	707	CLRBOT	833
CONV35	969	CONV3X	1021	CONV53	929	CONV5X	965	DISPLA	1582	DOCNT	151	ERROR2	1174
FINDGM	1052	FINDGX	1088	GMWM	1594	HALT	1122	HAVE	1292	K000	1585	K002	1138
K1	1135	K1A	1524	K3	1525	K5B	1131	KB	1526	LOADDD	838	LOADNX	700
LOADXX	793	MORE	1064	NOT	1361	NOZONE	1126	NSTMTS	183	NSX3	1207	PHASID	110
RESORT	1593	SEQ	1559	SNAPSH	333	SORTAB	2499	STRTA	1575	STRTNG	1556	SX3	856
TABBOT	847	TIMES6	875	TOOBIG	1092	TOPA	841	TOPB	883	TOPC	862	TOPC5	870
TPREAD	780	TSTZON	1014	W1	838	W5	880	X1	89	X1ZONE	1523	X2	94
X3	99	ZONES	898	ZONTST	886								