```
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 -- SQUEEZE PHASE -- PHASE 08                              PAGE    1

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

 101               JOB   FORTRAN COMPILER -- SQUEEZE PHASE -- PHASE 08
 102         *
 103         * REMOVE STATEMENT KEYWORDS
 104         * NOTE UNRECOGNIZABLE STATEMENTS AND REMOVE THEM
 105         * 81-83 = START (TOP ADDRESS) OF FIRST (TOP IN MEMORY)
 106         * STATEMENT.  REMEMBER, STATEMENTS ARE SORTED BY TYPE NOW,
 107         * AND PUSHED TO THE BOTTOM OF AVAILABLE CORE.
 108         *
 109         X1     EQU   89                                                    0089
 110         X2     EQU   94                                                    0094
 111         X3     EQU   99                                                    0099
 112         *
 113         * STUFF IN THE RESIDENT AREA
 114         *
 115         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                    0110
 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         LOADXX EQU   793  EXIT FROM OVERLAY LOADER                        0793
 120         *
 121               CTL   6611
 122               ORG   838                                                         0838
 123         LOADDD EQU   *&1          LOAD ADDRESS                            0838
 124    838  BEGINN MCW   83,X2                                             7  0838  M 083 094           4
 125    845         MCW   83,X1                                             7  0845  M 083 089           4
 126    852  NEXT   MCW   0&X1,SEQ                                          7  0852  M 0|0 U94           4
 127    859         MCW   0&X1,PREFIX                                       7  0859  M 0|0 U98           4
 128    866         BCE   ARITH,PREFIX-3,R   ARITHMETIC?                    8  0866  B /56 U95 R         4
 129    874         BCE   ENDSTM,PREFIX-3,/  END?                          8  0874  B /82 U95 /         5
 130    882  SWITCH BCE   SAME,PREFIX-3,X    INITIALLY NONEXISTENT STMT,     8  0882  B 991 U95 X         5
 131         *                                    LATER CURRENT ONE
 132         *
 133         * COMPUTE ADDRESS OF KEYWORD IF NOT THE SAME STATEMENT
 134         * TYPE AS THE PREVIOUS ONE
 135         *
 136    890         MZ    PREFIX-3,SWITCH&7  MOVE STATEMENT CODE            7  0890  Y U95 889           5
 137    897         MN    PREFIX-3,SWITCH&7    TO SWITCH D-MODIFIER         7  0897  D U95 889           5
 138    904         MN    PREFIX-3,W1                                       7  0904  D U95 U99           5
 139    911         ZA    W1,W3      W3 =                                   7  0911  ? U99 V02           6
 140    918         A     W3           3 * NUMERIC PART                    4  0918  A V02               6
 141    922         A     W1,W3          OF STMT CODE                      7  0922  A U99 V02           6
 142    929         MZ    NOZONE,W3                                         7  0929  Y V03 V02           6
 143    936         LCA   TABADR,GETTAB&3  TABLE ADDRESS                    7  0936  L V06 979           6
 144    943         A     W3,GETTAB&3        + 3 * NUMERIC TO GETTAB        7  0943  A V02 979           6
 145    950         MZ    PREFIX-3,GETTAB&2                                 7  0950  Y U95 978           7
 146    957         CW    GETTAB&1                                          4  0957  ) 977               7
 147    961         MCW   X2,SAVE    SAVE X2                               7  0961  M 094 V14           7
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SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD
148    968          MCW                 AND X1                             1  0968  M                    7
149    969          MCM   INDEXS,X1-2   X1,X2,X3 = 27, 54, 81              7  0969  P U78 087            7
150    976  GETTAB  MCW   0,X3         GET ADDRESS OF KEYWORD FROM TABLE    7  0976  M 000 099            7
151    983          MCW   SAVE,X2      RETRIEVE X2                         7  0983  M V14 094            8
152    990          MCW                   AND X1                          1  0990  M                    8
153    991  SAME    LCA   0&X1,0&X2    MOVE STATEMENT UP                   7  0991  L 0|0 0!0            8
154    998          SAR   X1           ADDRESS OF NEXT LOWER SOURCE        4  0998  Q 089                8
155  1 002          C     0&X2         GET B-STAR BELOW NEXTG WORD MARK    4  1002  C 0!0                8
156  1 006          SAR   X2           ADDRESS OF NEXT LOWER TARGET        4  1006  Q 094                8
157  1 010          C     0&X1,0&X3    CORRECT KEYWORD?                    7  1010  C 0|0 0?0            8
158  1 017          SAR   X1           GET X1 BELOW KEYWORD                4  1017  Q 089                9
159  1 021          BU    WRONG                                            5  1021  B |92 /              9
160  1 026  MVMORE  LCA   0&X1,0&X2    MOVE PART OF STMT BELOW KEYWORD UP  7  1026  L 0|0 0!0            9
161  1 033          SAR   X1           GET BELOW BOTTOM OF SOURCE STATEMENT 4  1033  Q 089                9
162  1 037          C     0&X2         GET BELOW BOTTOM                    4  1037  C 0!0                9
163  1 041          SAR   X2             OF TARGET STATEMENT               4  1041  Q 094                9
164  1 045  IFDONE  BCE   DONE,0&X1,     DONE?                            8  1045  B |57 0|0            9
165  1 053          B     NEXT                                             4  1053  B 852               10
166          *
167          * LOAD NEXT OVERLAY
168          *
169  1 057  DONE    CS    0&X2                                             4  1057  / 0!0               10
170  1 061          CS                                                     1  1061  /                   10
171  1 062          BSS   SNAPSH,C                                         5  1062  B 333 C             10
172  1 067          SBR   LOADXX&3,839   SET ENTRY ADDRESS FOR NEXT PHASE  7  1067  H 796 839           10
173  1 074          SBR   CLEARL&3,GMWM  TOP OF CLEARED AREA               7  1074  H 710 V67           10
174  1 081          LCA   DIMEN1,PHASID  NAME OF NEXT PHASE                7  1081  L V20 110           10
175  1 088          B     LOADNX                                           4  1088  B 700               11
176          *
177          * KEYWORD DOESN'T MATCH STATEMENT CODE
178          *
179  1 092  WRONG   CS    332                                              4  1092  / 332               11
180  1 096          CS                                                     1  1096  /                   11
181  1 097          SW    184          WHAT DOES THIS DO?                  4  1097  , 184               11
182  1 101          MN    SEQ,249                                          7  1101  D U94 249           11
183  1 108          MN                                                     1  1108  D                   11
184  1 109          MN                                                     1  1109  D                   11
185  1 110          MCW   ERROR1                                           4  1110  M V66               12
186  1 114          W                                                      1  1114  2                   12
187  1 115          BCV   PAGOVL                                          5  1115  B /24 @             12
188  1 120          B     NOOVL                                            4  1120  B /26               12
189  1 124  PAGOVL  CC    1                                                2  1124  F 1                 12
190  1 126  NOOVL   MCM   2&X2         GET ABOVE STATEMENT'S TOP           4  1126  P 0!2               12
191  1 130          MN                    AND THEN                        1  1130  D                   12
192  1 131          MN                       DOWN TWO                     1  1131  D                   13
193  1 132          SAR   X2                                              4  1132  Q 094               13
194  1 136          BCE   NOOVL,1&X2,|  MORE TO MOVE IF RM                8  1136  B /26 0!1 |         13
195  1 144          C     0&X1         GET BELOW KEYWORD                   4  1144  C 0|0               13
196  1 148          SAR   X1                                               4  1148  Q 089               13
197  1 152          B     IFDONE       GO TEST IF DONE                     4  1152  B |45               13
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SEQ PG LIN  LABEL  OP    OPERANDS                                  SFX CT  LOCN  INSTRUCTION TYPE  CARD

198         *
199         * ARITHMETIC STATEMENT
200         *
201  1 156  ARITH  LCA   0&X1,0&X2  MOVE PREFIX UP                    7  1156  L 0|0 0!0          13
202  1 163         SAR   X1           AND MOVE                       4  1163  Q 089              14
203  1 167         LCA   0&X2,0&X2      INDEX REGISTERS DOWN         7  1167  L 0!0 0!0          14
204  1 174         SBR   X2               TO STATEMENT               4  1174  H 094              14
205  1 178         B     MVMORE                                      4  1178  B |26              14
206         *
207         * END STATEMENT
208         *
209  1 182  ENDSTM C     0&X1       GET BELOW                        4  1182  C 0|0              14
210  1 186         C                  STATEMENT                      1  1186  C                  14
211  1 187         SAR   X1                                          4  1187  Q 089              14
212  1 191         B     IFDONE                                      4  1191  B |45              15
213         *
214         * TABLE OF ADDRESSES OF STATEMENT KEYWORDS
215         *
216  1 197  TABLE  DSA   RDTAPE  1 READ TAPE                        3  1197  U03                15
217  1 200         DSA   0                                           3  1200  000                15
218  1 203         DSA   WRTAPE  2 WRITE TAPE                       3  1203  U12                15
219  1 206         DSA   0                                           3  1206  000                15
220  1 209         DSA   RDINTP  5 READ INPUT TAPE                  3  1209  T70                15
221  1 212         DSA   WROTTP  6 WRITE OUTPUT TAPE                3  1212  T95                15
222  1 215         DSA   0                                           3  1215  000                16
223  1 218         DSA   0                                           3  1218  000                16
224  1 221         DSA   NOZONE  9                                   3  1221  V03                16
225  1 224         DSA   0                                           3  1224  000                16
226  1 227         DSA   STOP    S STOP                              3  1227  T36                16
227  1 230         DSA   CGOTO   T COMPUTED GOTO                     3  1230  T11                16
228  1 233         DSA   PUNCH   U PUNCH                            3  1233  T75                16
229  1 236         DSA   0                                           3  1236  000                17
230  1 239         DSA   IFSW    W IF ( SENSE SWITCH ...             3  1239  T27                17
231  1 242         DSA   0                                           3  1242  000                17
232  1 245         DSA   0                                           3  1245  000                17
233  1 248         DSA   REWIND  Z REWIND                            3  1248  U25                17
234  1 251         DSA   SLITE   J SENSE LIGHT                      3  1251  U77                17
235  1 254         DSA   IFSL    K IF ( SENSE LIGHT ... )            3  1254  U67                17
236  1 257         DSA   READ    L READ                              3  1257  T57                18
237  1 260         DSA   0                                           3  1260  000                18
238  1 263         DSA   ENDFIL  N ENDFILE                           3  1263  U19                18
239  1 266         DSA   0                                           3  1266  000                18
240  1 269         DSA   PRINT   P PRINT                             3  1269  T80                18
241  1 272         DSA   EQUIV   Q                                   3  1272  U54                18
242  1 275         DSA   0         ARITHMETIC                        3  1275  000                18
243  1 278         DSA   PAUSE   A PAUSE                            3  1278  T32                19
244  1 281         DSA   BACKSP  B BACKSPACE                       3  1281  U34                19
245  1 284         DSA   CONT    C CONTINUE                        3  1284  T46                19
246  1 287         DSA   DO      D DO                              3  1287  T38                19
247  1 290         DSA   IF      E IF                              3  1290  T13                19
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SEQ PG LIN  LABEL   OP    OPERANDS                                    SFX CT  LOCN  INSTRUCTION TYPE  CARD

248  1 293          DSA   FORMAT  F FORMAT                              3  1293  T53                 19
249  1 296          DSA   GOTO    G GOTO                                3  1296  T06                 19
250  1 299          DSA   0                                             3  1299  000                 20
251  1 302          DSA   DIM     I DIMENSION                           3  1302  U43                 20
252           *
253           * STATEMENT KEYWORDS SPELLED BACKWARD
254           *
255  1 306  GOTO    DCW   @OTOG@                GO TO                   4  1306                      20
256  1 311  CGOTO   DCW   @%OTOG@               GO TO (                 5  1311                      20
257  1 313  IF      DCW   @FI@                  IF                      2  1313                      20
258  1 327  IFSW    DCW   @HCTIWSESNES%FI@      IF ( SENSE SWITCH      14  1327                      20
259  1 332  PAUSE   DCW   @ESUAP@              PAUSE                   5  1332                      20
260  1 336  STOP    DCW   @POTS@                STOP                    4  1336                      21
261  1 338  DO      DCW   @OD@                  DO                      2  1338                      21
262  1 346  CONT    DCW   @EUNITNOC@            CONTINUE                8  1346                      21
263  1 353  FORMAT  DCW   @%TAMROF@            FORMAT (                7  1353                      21
264  1 357  READ    DCW   @DAER@                READ                    4  1357                      21
265  1 370  RDINTP  DCW   @EPATTUPNIDAER@      READ INPUT TAPE        13  1370                      21
266  1 375  PUNCH   DCW   @HCNUP@              PUNCH                   5  1375                      22
267  1 380  PRINT   DCW   @TNIRP@              PRINT                   5  1380                      22
268  1 395  WROTTP  DCW   @EPATTUPTUOETIRW@    WRITE OUTPUT TAPE      15  1395                      22
269  1 403  RDTAPE  DCW   @EPATDAER@           READ TAPE               8  1403                      22
270  1 412  WRTAPE  DCW   @EPATETIRW@          WRITE TAPE              9  1412                      23
271  1 419  ENDFIL  DCW   @ELIFDNE@            END FILE                7  1419                      23
272  1 425  REWIND  DCW   @DNIWER@             REWIND                  6  1425                      23
273  1 434  BACKSP  DCW   @ECAPSKCAB@          BACKSPACE               9  1434                      23
274  1 443  DIM     DCW   @NOISNEMID@          DIMENSION               9  1443                      24
275  1 454  EQUIV   DCW   @ECNELAVIUQE@        EQUIVALENCE            11  1454                      24
276  1 467  IFSL    DCW   @THGILESNES%FI@      IF ( SENSE LIGHT       13  1467                      24
277  1 477  SLITE   DCW   @THGILESNES@         SENSE LIGHT            10  1477                      25
278           *
279           * OTHER DATA
280           *
281           INDEXS EQU   *&1                                            1478
282  1 491          DCW   @0270005400081|@                               14  1491                      25
283  1 494  SEQ     DCW   #3  SEQUENCE NUMBER FROM STATEMENT              3  1494                      25
284  1 498  PREFIX  DCW   #4                                             4  1498                      25
285  1 499  W1      DCW   #1  USED TO COMPUTE 3 * NUMERIC PART OF CODE    1  1499                      25
286  1 502  W3      DCW   #3                                             3  1502                      25
287  1 503  NOZONE  DCW   #1                                             1  1503                      25
288  1 506  TABADR  DSA   TABLE-3                                        3  1506  /94                 26
289  1 514  SAVE    DCW   #8                                             8  1514                      26
290  1 520  DIMEN1  DCW   @DIMEN1@                                       6  1520                      26
291  1 566  ERROR1  DCW   @ERROR 1 - UNDETERMINABLE STATEMENT, STATEMENT @ 46  1566                    28
292  1 567  GMWM    DCW   @}@                                            1  1567              GMARK   28
293                 ORG   201                                                    0201
294    203          DSA   LOADDD    LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM  3  0203  838                 29
295                 EX    BEGINN                                                 B 838               30
296                 END                                                          / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ARITH	1156	BACKSP	1434	BEGINN	838	CGOTO	1311	CLEARL	707	CONT	1346	DIM	1443
DIMEN1	1520	DO	1338	DONE	1057	ENDFIL	1419	ENDSTM	1182	EQUIV	1454	ERROR1	1566
FORMAT	1353	GETTAB	976	GMWM	1567	GOTO	1306	IF	1313	IFDONE	1045	IFSL	1467
IFSW	1327	INDEXS	1478	LOADDD	838	LOADNX	700	LOADXX	793	MVMORE	1026	NEXT	852
NOOVL	1126	NOZONE	1503	PAGOVL	1124	PAUSE	1332	PHASID	110	PREFIX	1498	PRINT	1380
PUNCH	1375	RDINTP	1370	RDTAPE	1403	READ	1357	REWIND	1425	SAME	991	SAVE	1514
SEQ	1494	SLITE	1477	SNAPSH	333	STOP	1336	SWITCH	882	TABADR	1506	TABLE	1197
W1	1499	W3	1502	WRONG	1092	WROTTP	1395	WRTAPE	1412	X1	89	X2	94
X3	99												