```
SEQ PG LIN  LABEL  OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

101               JOB   FORTRAN COMPILER -- SORT THREE PHASE -- PHASE 06
102               CTL   6611
103         *
104         * SORT THREE PHASE: SORT STATEMENTS BY TYPE, SHIFT TO LOW
105         * MEMORY.
106         * 81-83 IS THE ADDRESS OF THE LAST CHARACTER (LOWEST IN CORE,
107         * ONE ABOVE GMWM) OF THE LAST (LOWEST IN CORE) STATEMENT.
108         *
109         X1     EQU   89                                                    0089
110         X2     EQU   94                                                    0094
111         X3     EQU   99                                                    0099
112         *
113         * STUFF IN THE RESIDENT AREA PHASE 0
114         *
115         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                     0110
116         SNAPSH EQU   333  CORE DUMP SNAPSHOT                               0333
117         TOPCOR EQU   688  TOP CORE ADDRESS FROM PARAM CARD                 0688
118         LOADNX EQU   700  LOAD NEXT OVERLAY                                0700
119         CDOVLY EQU   LOADNX  1 FROM CARDS, N OR SW FROM TAPE               0700
120         *
121         * IN PHASE 4
122         *
123         TYPTAB EQU   759  TYPE TABLE (WORD MARKS SET IN PHASE 4)           0759
124         *                 INDEXED BY 30*(ZONE OF STATEMENT CODE) +
125         *                 3*(NUMERIC PART OF STATEMENT CODE).  EACH
126         *                 ENTRY IS THE ADDRESS OF THE EARLIEST (HIGHEST
127         *                 ADDRESS) STATEMENT OF A TYPE.  EACH STATEMENT
128         *                 HAS A POINTER TO THE NEXT ONE (LOWER IN CORE)
129         *                 OF THE SAME TYPE AS ITS FIRST THREE (HIGHEST
130         *                 ADDRESS) CHARACTERS.
131         *
132         * IN PHASE 5
133         *
134         EOTWO  EQU   2000   TEMP                                           2000
135         * EOTWO     EQU  1800
136         *
137         * IN PHASE 14
138         *
139         ORGVB  EQU   2814                                                  2814
140         *
141         * GENERATE THE BLOCK TO LOAD PHASE 6
142         *
143         PHAS6  NEWPH  @SORTER TRI@,LOADAD,BEGINN                                    MACRO
            *                                                                           GEN
            * LOAD A NEW PHASE                                                          GEN
            *                                                                           GEN
144               ORG   201                                                     0201
145         PHAS6  LCA   )9N001,PHASID    PHASID                          7  0201  L 288 110   GEN      1   288     110
146               BCE   LOADNX,LOADNX,1  Q: FROM CARDS?                     8  0208  B 700 700 1 GEN      1   700     700
147               BCE   LOADNX,LOADNX,,  Q: FROM AUTOCODER TAPE?            8  0216  B 700 700 , GEN      1   700     700
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SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

148         )0J001  ZA    )9J001          CLEAR ERROR COUNTER               4  0224  ? 278       GEN      1   278
149         )0K001  RTW   %U1,LOADAD      LOAD THE OVERLAY                  8  0228  L %U1 910 R GEN      1   %U1     910
150                 BER   )0L001          Q: ERROR?                         5  0236  B 248 L     GEN      2   248
151                 CS    BEGINN,)9P001      NO: ENTER THIS BLOCK         7  0241  / 910 296   GEN      2   910     296
152         )0L001  BSP   1                                               5  0248  U %U1 B     GEN      2   %U1
153                 A     *-6,)9J001      BUMP ERROR COUNT                  7  0253  A 253 278   GEN      2   253     278
154                 BCE   )0K001,)9J001-1,0   Q: NOT TEN YET?             8  0260  B 228 277 0 GEN      2   228     277
155                 NOP   3333                                             4  0268  N C33       GEN      2  3333
156                 H                                                      1  0272  .           GEN      2
157                 B     )0J001                                           4  0273  B 224       GEN      3   224
158         )9J001  DCW   #2            ERROR COUNTER                     2  0278              GEN      3
159         )9N001  DCW   @SORTER TRI@          PHASE ID FROM PARAMETER 1 10  0288              GEN      3
160                 DC    @ NEWPH @     IDENTIFY IN A DECK, TAPE, OR DUMP  7  0295              GEN      3
161         )9P001  DCW   @}@                                              1  0296              GEN      3
            * 108     DSA  PHAS6     NEWP   LOAD ADDRESS FOR COMPILER-GEN                                GEN
162                 XFR   PHAS6  PROHIBITED IN A MACRO                          B 201             3   201
163         *
164         110     DCW   @SORTER TWO@                                    10  0110                  4
165         *
166                 ORG   910          BEGINN IN PHASE 4                        0910
167         LOADAD  EQU   *&1          LOAD ADDRESS                         0910
168         BEGINN  MCW   83,X3  ADDRESS AT END OF LAST STATEMENT            7  0910  M 083 099           5   083     099
169                 SW    GM                                                 4  0917  , W62               5  1662
170                 SBR   X1,END-1  BOTTOM OF FREE STORAGE                   7  0921  H 089 Q99           5   089    2899
171                 SW    END                                                4  0928  , R00               5  2900
172                 MN    0&X3   COMPUTE ADDRESS BELOW LAST STATEMENT,       4  0932  D 0?0               5   000+3
173                 LCA   GM       PUT A GMWM THERE                         4  0936  L W62               5  1662
174                 SBR   SAVE&6     AND STORE ADDRESS BELOW GMWM            4  0940  H 998               5   998
175                 SBR   W3,TABIXS  GET LAST TYPTAB INDEX                   7  0944  H W66 W55           6  1666    1655
176         LOOP    MCW   W3,X3      GET NEXT HEAD                          7  0951  M W66 099           6  1666     099
177                 MCW   0&X3,X3      OF CHAIN TO X3                       7  0958  M 0?0 099           6   000+3   099
178                 SAR   W3                                                 4  0965  Q W66               6  1666
179                 BCE   DONE,X3,X  END OF THE TABLE?                      8  0969  B V35 099 X         6  1535     099
180                 MCW   TYPTAB&X3,X3  HEAD OF LIST OF STATEMENTS OF TYPE  7  0977  M 7E9 099           7   759+3   099
181                 BCE   LOOP,X3,   NO STATEMENTS OF THE TYPE               8  0984  B 951 099           7   951     099
182         *
183         * MOVE ALL STATEMENTS OF THE TYPE DOWN TO LOW CORE
184         *
185         SAVE    MCW   0&X3,0-0   MOVE STATEMENT TO SAVE AREA             7  0992  M 0?0 000           7   000+3   000
186                 SAR   X2                                                 4  0999  Q 094               7   094
187                 BCE   *&5,1&X2,}  DID WE MOVE THE GM?                    8  1003  B |15 0!1 } GMARK   7  1015     001+2
188                 B     NOROOM     NO, MAYBE WE'RE OUT OF SPACE            4  1011  B /83               7  1183
189                 SBR   X2,2&X2    GET BACK ABOVE GMWM, TO BOTTOM OF STMT   7  1015  H 094 0!2           8   094     002+2
190         MORE    MCM   0&X2       COMPUTE ADDRESS ABOVE TOP OF STATEMENT  4  1022  P 0!0               8   000+2
191                 SBR   SX2&6        AND SAVE IT                           4  1026  H |55               8  1055
192                 MCM   0&X2,1&X1  MOVE STATEMENT TO BOTTOM OF FREE AREA,   7  1030  P 0!0 0|1           8   000+2   001+1
193                 SBR   X1           BUMP POINTER TO BOTTOM,               4  1037  H 089               8   089
194                 MN    0&X1            THEN BACK DOWN TO GM               4  1041  D 0|0               8   000+1
195                 SBR   X1               AND SAVE IT                       4  1045  H 089               8   089
196         SX2     SBR   X2,0-0     MOVE UP TO RECORD MARK OR GM            7  1049  H 094 000           9   094     000
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SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

197                 BCE   MORE,0&X1,|  MORE TO GO IF STMT CONTAINS RM        8  1056  B |22 0|0 |          9  1022     000+1
198                 SBR   X1,1&X1    BUMP POINTER ABOVE GM                  7  1064  H 089 0|1            9   089     001+1
199                 CW    BIGFLG                                           4  1071  ) W63                9  1663
200                 MN    0&X1       NOW SUBTRACT                          4  1075  D 0|0                9   000+1
201                 MN                 FOUR FROM                           1  1079  D                    9
202                 MN                   X1 TO RECOVER                     1  1080  D                    9
203                 MN                     SPACE USED FOR                  1  1081  D                   10
204                 SAR   X1                 SAME-TYPE LINK                4  1082  Q 089                10   089
205                 LCA   GM,0&X1    MARK TOP OF STATEMENT                 7  1086  L W62 0|0            10  1662     000+1
206                 SBR   83         STORE ADDRESS OF TOP OF STATEMENT     4  1093  H 083                10   083
207                 SBR   X1           AND IN X1                          4  1097  H 089                10   089
208         MORE2   MCM   1&X1       COMPUTE ADDRESS ABOVE TOP OF STATEMENT, 4  1101  P 0|1                10   001+1
209                 MN                 GET BACK DOWN TO RM OR GMWM         1  1105  D                   10
210                 SAR   X1             AND SAVE IT                       4  1106  Q 089                11   089
211                 BCE   MORE2,0&X1,|  MORE TO GO IF STMT CONTAINS RM       8  1110  B /01 0|0 |          11  1101     000+1
212                 MN    0&X3       SUBTRACT                              4  1118  D 0?0                11   000+3
213                 MN                 SIX                                 1  1122  D                   11
214                 MN                   FROM                              1  1123  D                   11
215                 MN                     X3                              1  1124  D                   11
216                 MN                     ,,                              1  1125  D                   11
217                 MN                     ,,                              1  1126  D                   12
218                 SAR   X3               ,,                              4  1127  Q 099               12   099
219                 MN    0&X1       COMPUTE -1&X1 INTO B-STAR             4  1131  D 0|0                12   000+1
220                 LCA   3&X3       COPY SEQUENCE NUMBER                  4  1135  L 0?3                12   003+3
221                 MCW   POUND,0&X3                                       7  1139  M W67 0?0            12  1667     000+3
222         MORE3   MCM   2&X3       POINT X3                              4  1146  P 0?2                12   002+3
223                 MN                 BACK AT                             1  1150  D                   12
224                 MN                   TOP OF                            1  1151  D                   13
225                 SAR   X3               STATEMENT                       4  1152  Q 099               13   099
226                 BCE   MORE3,1&X3,|  MORE TO GO IF STMT CONTAINS RM       8  1156  B /46 0?1 |          13  1146     001+3
227                 BCE   LOOP,0&X3,  LAST STATEMENT ON CHAIN?              8  1164  B 951 0?0            13   951     000+3
228                 MCW   0&X3,X3     NO, GET NEXT STATEMENT IN CHAIN       7  1172  M 0?0 099           13   000+3   099
229                 B     SAVE         AND SAVE IT                         4  1179  B 992               13   992
230         *
231         * NO ROOM TO MOVE STATEMENT BELOW BOTTOM STATEMENT
232         *
233         NOROOM  BW    TOOBIG,BIGFLG                                    8  1183  V V44 W63 1          14  1544    1663
234                 SW    BIGFLG                                           4  1191  , W63                14  1663
235                 MCW   TOPCOR,X2                                        7  1195  M 688 094            14   688     094
236                 MN    0&X2                                             4  1202  D 0!0                14   000+2
237                 SAR   X2         X2 IS TOPCOR-1 NOW                    4  1206  Q 094                14   094
238                 MCW   X2,X3                                            7  1210  M 094 099            14   094     099
239         MOVEUP  LCA   0&X2,0&X3  MOVE STATEMENT UP                     7  1217  L 0!0 0?0            15   000+2   000+3
240                 SAR   X2                                               4  1224  Q 094                15   094
241                 MCW   0&X3,PREFIX                                      7  1228  M 0?0 W76            15   000+3  1676
242                 BCE   MOVED,PREFIX-6,#  STATEMENT ALREADY MOVED?       8  1235  B S54 W70 #          15  1254    1670
243                 LCA   0&X3,0&X3  NO, DECREMENT X3 SO AS NOT TO         7  1243  L 0?0 0?0            15   000+3   000+3
244                 SAR   X3           CLOBBER RECENTLY MOVED STATEMENT    4  1250  Q 099                15   099
245         MOVED   C     SAVE&6,X2  DONE?                                7  1254  C 998 094            16   998     094
246                 BU    MOVEUP     NO, MOVE ANOTHER ONE                  5  1261  B S17 /              16  1217
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SEQ PG LIN  LABEL   OP    OPERANDS                                    SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

247                 MCW   X3,SAVE&6  BELOW LAST MOVED STATEMENT          7  1266  M 099 998          16   099     998
248                 MCW   X3,X2                                        7  1273  M 099 094          16   099     094
249                 MZ    X3,X3999   COMPUTE X3 & X00 - 1              7  1280  Y 099 W61          16   099    1661
250                 MZ                                                1  1287  Y                  16
251                 MCW                                               1  1288  M                  16
252                 MZ    X1,X1999   COMPUTE X1 & X00 - 1              7  1289  Y 089 W58          17   089    1658
253                 MZ                                                1  1296  Y                  17
254                 MCW                                               1  1297  M                  17
255                 C     X1999,X3999                                 7  1298  C W58 W61          17  1658    1661
256                 BE    NOCLR                                       5  1305  B T30 S            17  1330
257         CLR     CS    0&X3       CLEAR FROM X3 DOWN TO X1 & X00   4  1310  / 0?0              17   000+3
258                 SBR   X3                                          4  1314  H 099              17   099
259                 C     X3,X1999                                    7  1318  C 099 W58          18   099    1658
260                 BU    CLR                                         5  1325  B T10 /            18  1310
261         NOCLR   ZA    TABLEN,TABCNT  TABLE LENGTH TO TABLE COUNTER 7  1330  ? W78 !03          18  1678    2003
262                 S     X3&1                                        4  1337  S 100              18   100
263         *
264         * FILL TYPE TABLE WITH BLANKS
265         *
266         CLRTAB MCW    KB3,TYPTAB&X3  MARK END OF CHAIN            7  1341  M W81 7E9          18  1681     759+3
267                S      KP1,TABCNT                                  7  1348  S W82 !03          18  1682    2003
268                BM     CLRFIN,TABCNT  DONE CLEARING TABLE?         8  1355  V T74 !03 K        19  1374    2003
269                A      KP3,X3                                      7  1363  A W83 099          19  1683     099
270                B      CLRTAB                                      4  1370  B T41              19  1341
271         *
272         * RELINK MOVED STATEMENTS INTO TYPE TABLE
273         *
274         CLRFIN MCM    1&X2       GET X1 TO TOP OF STATEMENT       4  1374  P 0!1              19   001+2
275                MN                                                 1  1378  D                  19
276                SAR    X2                                          4  1379  Q 094              19   094
277                BCE    CLRFIN,0&X2,|  MORE TO DO IF RM INSTEAD OF GMWM 8  1383  B T74 0!0 |      19  1374     000+2
278                SBR    X2,1&X2    X2 IS NOW BOTTOM OF NEXT STATEMENT 7  1391  H 094 0!1          20   094     001+2
279                S      X3&1                                        4  1398  S 100              20   100
280                C      0&X2                                        4  1402  C 0!0              20   000+2
281                SAR    *&4                                         4  1406  Q U13              20  1413
282                MCW    0-0,PREFIX   SAVE PREFIX                    7  1410  M 000 W76          20   000    1676
283                MN     PREFIX-6,X3  3 TIMES                        7  1417  D W70 099          20  1670     099
284                MCW    X3,TABCNT      NUMERIC PART OF              7  1424  M 099 !03          21   099    2003
285                A      X3               STATEMENT CODE             4  1431  A 099              21   099
286                A      TABCNT,X3          TO X3                    7  1435  A !03 099          21  2003     099
287                BWZ    ZONFIN,PREFIX-6,2  ADD 30 TIMES             8  1442  V U87 W70 2        21  1487    1670
288                A      KP30,X3              ZONE PART              7  1450  A W85 099          21  1685     099
289                BWZ    ZONFIN,PREFIX-6,S      OF STATEMENT         8  1457  V U87 W70 S        22  1487    1670
290                A      KP30,X3                  CODE               7  1465  A W85 099          22  1685     099
291                BM     ZONFIN,PREFIX-6            TO X3            8  1472  V U87 W70 K        22  1487    1670
292                A      KP30,X3                                     7  1480  A W85 099          22  1685     099
293         ZONFIN MN     0&X2       MINUS 2                          4  1487  D 0!0              22   000+2
294                MN                                                 1  1491  D                  22
295                MCW    TYPTAB&X3  LINK TO NEXT STATEMENT SAME TYPE  4  1492  M 7E9              22   759+3
296                C      0&X2       DOWN TO NEXT WORD MARK           4  1496  C 0!0              23   000+2
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SEQ PG LIN  LABEL   OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR
297                 SAR   TYPTAB&X3  LINK TYPE TABLE TO STATEMENT TYPE          4  1500  Q 7E9             23   759+3
298                 C     X2,TOPCOR  DONE?                                     7  1504  C 094 688         23   094     688
299                 BU    CLRFIN                                               5  1511  B T74 /           23  1374
300                 MCW   W3,X3      RECOVER X3                               7  1516  M W66 099         23  1666     099
301                 NOP   3&X3                                                 4  1523  N 0?3             23   003+3
302                 SAR   W3           PLUS 3                                  4  1527  Q W66             23  1666
303                 B     LOOP       BACK TO SORTING                         4  1531  B 951             24   951
304         *
305         * LOAD NEXT OVERLAY
306         *
307         DONE    BSS   SNAPSH,C                                            5  1535  B 333 C           24   333
308         *         SBR  TPREAD&6,TYPTAB-2  NEXT OVERLAY READ ADDRESS
309         *         SBR  CLRBOT               AND BOTTOM OF CLEAR AREA
310         *         SBR  LOADXX&3,TYPTAB-2  NEXT OVERLAY ENTRY ADDRESS
311         *         SBR  CLEARL&3,TABCNT    TOP OF CLEAR
312         *         LCA  GMMSG,PHASID       NEXT PHASE ID
313                 B     LOADNX             LOAD IT                         4  1540  B 700             24   700
314         *
315         * PROGRAM IS TOO BIG
316         *
317         TOOBIG  CS    332                                                  4  1544  / 332             24   332
318                 CS                                                         1  1548  /                 24
319                 CC    1                                                    2  1549  F 1               24
320                 MCW   MSG2,270                                             7  1551  M X31 270         24  1731     270
321                 W                                                          1  1558  2                 25
322                 CC    1                                                    2  1559  F 1               25
323                 BCE   HALT,CDOVLY,1                                        8  1561  B V74 700 1       25  1574     700
324                 RWD   1                                                    5  1569  U %U1 R           25   %U1
325         HALT    H     HALT                                                 4  1574  . V74             25  1574
326         *
327         * DATA
328         *
329         * FIRST IS TABLE OF TABLE INDEXES IN THE REVERSE ORDER
330         * WE WANT STATEMENTS SORTED INTO LOW CORE
331         *
332                 DCW   @XXX@  END-OF-TABLE SENTINEL                         3  1580                    25
333                 DSA   117  I DIMENSION                                     3  1583  117               25   117
334                 DSA   84   Q EQUIVALENCE                                  3  1586  084               26   084
335                 DSA   108  F FORMAT                                       3  1589  108               26   108
336                 DSA   9    3 WRITE TAPE                                   3  1592  009               26   009
337                 DSA   3    1 READ                                         3  1595  003               26   003
338                 DSA   18   6 WRITE OUTPUT TAPE                           3  1598  018               26   018
339                 DSA   81   P PRINT (M?)                                  3  1601  081               26   081
340                 DSA   42   U PUNCH                                       3  1604  042               26   042
341                 DSA   15   5 READ INPUT TAPE                            3  1607  015               27   015
342                 DSA   69   L READ                                        3  1610  069               27   069
343                 DSA   87   R ARITHMETIC                                  3  1613  087               27   087
344                 DSA   105  E IF                                          3  1616  105               27   105
345                 DSA   27   9 FUNCTION STATEMENTS                        3  1619  027               27   027
346                 DSA   96   B BACKSPACE                                   3  1622  096               27   096
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SEQ PG LIN  LABEL   OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR
347                 DSA   57   Z REWIND                                        3  1625  057               27   057
348                 DSA   75   N ENDFILE                                       3  1628  075               28   075
349                 DSA   39   T COMPUTED GOTO                                 3  1631  039               28   039
350                 DSA   111  G GOTO                                          3  1634  111               28   111
351                 DSA   36   S STOP                                          3  1637  036               28   036
352                 DSA   93   A PAUSE                                         3  1640  093               28   093
353                 DSA   63   J SENSE LIGHT                                   3  1643  063               28   063
354                 DSA   66   K IF SENSE LIGHT                               3  1646  066               28   066
355                 DSA   48   W IF SENSE SWITCH                              3  1649  048               29   048
356                 DSA   99   C CONTINUE                                      3  1652  099               29   099
357         TABIXS  DSA   102  D DO                LAST OF TABLE INDEXES      3  1655  102               29   102
358         *
359         X1999   DSA   999  X1 & X00 - 1                                    3  1658  999               29   999
360         X3999   DCW   999  X3 & X00 - 1                                    3  1661                    29
361         GM      DC    @}@                                                 1  1662            GMARK   29
362         BIGFLG  DC    0  WORD MARK SET IF TOO BIG                         1  1663                    29
363         W3      DCW   #3                                                  3  1666                    29
364         POUND   DCW   @#@                                                 1  1667                    29
365         PREFIX  DCW   #9         STATEMENT PREFIX                         9  1676                    30
366         TABLEN  DCW   &39        TYPE TABLE LENGTH                        2  1678                    30
367         KB3     DCW   #3         THREE BLANKS -- END OF CHAIN SENTINEL    3  1681                    30
368         KP1     DCW   &1                                                  1  1682                    30
369         KP3     DCW   &3                                                  1  1683                    30
370         KP30    DCW   &30                                                 2  1685                    30
371         GMMSG   DCW   @GROUP MARK@                                       10  1695                    30
372         MSG2    DCW   @MESSAGE 2 - OBJECT PROGRAM TOO LARGE@             36  1731                    31
373                 ORG   EOTWO&1                                                   2001
374         TABCNT  DCW   #3                                                  3  2003                    32
375                 ORG   ORGVB&X00  IN PHASE 13 (VARIABLES ONE)                   2900
376         END     EQU   *&1                                                      2900
377         GMWM    DCW   @}@                                                 1  2900            GMARK   33
378         *         DSA  LOADAD    LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM
379                 XFR   BEGINN                                                  B 910                   33   910
380         *
381         * CLEAR CORE AFTER THE PHASE USING MY CLRTOP ADDRESS
382         *
383         CLRME   CLRA  TYPTAB-2,GMWM                                                   MACRO
            *                                                                             GEN
            * CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS                           GEN
            *                                                                             GEN
384                 ORG   TYPTAB-2&X00                                              0800
385         )0R002  EQU   *           CLRBOT & X00 - 1                          0799                    GEN
386                 ORG   201                                                       0201
            *                                                                             GEN
            * CLEAR DOWN TO CLRBOT & X00 THE EASY WAY                             GEN
            *                                                                             GEN
387         CLRME   EQU   *&1                                                     0201                    GEN
388         )0J002  CS    GMWM         CLEAR FROM CLRTOP                      4  0201  / R00             GEN     34  2900
389                 SBR   )0J002&3                                              4  0205  H 204             GEN     34   204
390                 SBR   )0L002&6                                              4  0209  H 250             GEN     34   250
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SEQ PG LIN  LABEL   OP    OPERANDS                                    SFX CT  LOCN  INSTRUCTION TYPE  CARD A-ADDR  B-ADDR

391                 C     )0J002&3,)0M002   DOWN TO CLRBOT & X00?        7  0213  C 204 261   GEN     34   204     261
392                 BU    )0J002                                        5  0220  B 201 /     GEN     34   201
          *                                                                                    GEN
          * NOW CLEAR DOWN TO CLRBOT THE HARD WAY                                             GEN
          *                                                                                    GEN
393         )0K002  C     )0L002&6,)0N002                               7  0225  C 250 264   GEN     34   250     264
394                 BU    )0L002                                        5  0232  B 244 /     GEN     34   244
395                 CS    LOADNX,)0Q002  LOAD THE NEXT BLOCK AT 1       7  0237  / 700 271   GEN     35   700     271
396         )0L002  LCA   )0P002,0-0     CLEAR WITH BLANK AND WORD MARK 7  0244  L 265 000   GEN     35   265     000
397                 SBR   )0L002&6                                      4  0251  H 250       GEN     35   250
398                 B     )0K002                                        4  0255  B 225       GEN     35   225
399         )0M002  DSA   )0R002         CLRBOT & X00 - 1              3  0261  799         GEN     35   799
400         )0N002  DSA   TYPTAB-2         CLRBOT                      3  0264  757         GEN     35   757
401         )0P002  DCW   #1                                           1  0265              GEN     35
402                 DC    @CLRA @     IDENTIFY IN A DECK, TAPE, OR DUMP 5  0270              GEN     35
403         )0Q002  DCW   @}@                                          1  0271              GEN     36
404                 ORG   *&1         START NEW CARD FOR COMPILER-GEN          0273
          *         DSA  CLRME     CLRA                                                       GEN
405                 XFR   CLRME     PROHIBITED IN THE MACRO                  B 201             36   201
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J001	0224: 0	)0J002	0201: 0	)0K001	0228: 0	)0K002	0225: 0	)0L001	0248: 0	)0L002	0244: 0
)0M002	0261: 0	)0N002	0264: 0	)0P002	0265: 0	)0Q002	0271: 0	)0R002	0799: 0	)9J001	0278: 0
)9N001	0288: 0	)9P001	0296: 0	BEGINN	0910: 0	BIGFLG	1663: 0	CDOVLY	0700: 0	CLR	1310: 0
CLRFIN	1374: 0	CLRME	0201: 0	CLRTAB	1341: 0	DONE	1535: 0	END	2900: 0	EOTWO	2000: 0
GM	1662: 0	GMMSG	1695: 0	GMWM	2900: 0	HALT	1574: 0	KB3	1681: 0	KP1	1682: 0
KP3	1683: 0	KP30	1685: 0	LOADAD	0910: 0	LOADNX	0700: 0	LOOP	0951: 0	MORE	1022: 0
MORE2	1101: 0	MORE3	1146: 0	MOVED	1254: 0	MOVEUP	1217: 0	MSG2	1731: 0	NOCLR	1330: 0
NOROOM	1183: 0	ORGVB	2814: 0	PHAS6	0201: 0	PHASID	0110: 0	POUND	1667: 0	PREFIX	1676: 0
SAVE	0992: 0	SNAPSH	0333: 0	SX2	1049: 0	TABCNT	2003: 0	TABIXS	1655: 0	TABLEN	1678: 0
TOOBIG	1544: 0	TOPCOR	0688: 0	TYPTAB	0759: 0	W3	1666: 0	X1	0089: 0	X1999	1658: 0
X2	0094: 0	X3	0099: 0	X3999	1661: 0	ZONFIN	1487: 0				

UNREFERENCED SYMBOLS

GMMSG