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

101                JOB   FORTRAN COMPILER -- LOAD PHASES 52BC -- PHASE 52A
102                CTL   6611
103         *
104         * AS THE OBJECT CODING MAY ORIGINATE AT 1697, THE CODING FOR
105         * PHASE 52 MUST BE SPLIT INTO TWO PARTS, THE FIRST OF WHICH
106         * REPLACES THE SNAPSHOT CODING IN POSITIONS 333-680.   THIS
107         * PHASE LOADS THE TWO SECTIONS.
108         *
109         X3     EQU   99                                                       0099
110         *
111         * STUFF IN THE RESIDENT AREA
112         *
113         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                         0110
114         SNAPSH EQU   333  CORE DUMP SNAPSHOT                                   0333
115         LOADNX EQU   700  LOAD NEXT OVERLAY                                    0700
116         CLEARL EQU   707  CS AT START OF OVERLAY LOADER                        0707
117         TPREAD EQU   780  TAPE READ INSTRUCTION IN OVERLAY LOADER              0780
118         LOADXX EQU   793  EXIT FROM OVERLAY LOADER                             0793
119         CLRBOT EQU   833  BOTTOM OF CORE TO CLEAR IN OVERLAY LOADER            0833
120         *
121         * ADDRESS IN NORMAL FORMAT ROUTINE
122         *
123         IOLIST EQU   2132                                                     2132
124         *
125                ORG   838                                                             0838
126    840  EXLINK DCW   #3    139 I XLINKF ENTRY ADDRESS                   3  0840              4
127    843         DCW   #3    138 H USER FUNCTION 12 ENTRY ADDRESS          3  0843              4
128    846         DCW   #3    137 D USER FUNCTION 11 ENTRY ADDRESS          3  0846              4
129    849         DCW   #3    136 M USER FUNCTION 10 ENTRY ADDRESS          3  0849              4
130    852         DCW   #3    135 L USER FUNCTION 09 ENTRY ADDRESS          3  0852              4
131    855         DCW   #3    134 K USER FUNCTION 08 ENTRY ADDRESS          3  0855              4
132    858         DCW   #3    133 J USER FUNCTION 07 ENTRY ADDRESS          3  0858              4
133    861         DCW   #3    132 Z USER FUNCTION 06 ENTRY ADDRESS          3  0861              5
134    864         DCW   #3    131 Y USER FUNCTION 05 ENTRY ADDRESS          3  0864              5
135    867         DCW   #3    130 W USER FUNCTION 04 ENTRY ADDRESS          3  0867              5
136    870         DCW   #3    129 P USER FUNCTION 03 ENTRY ADDRESS          3  0870              5
137    873         DCW   #3    128 U USER FUNCTION 02 ENTRY ADDRESS          3  0873              5
138    876  USER1  DCW   #3    127 R USER FUNCTION 01 ENTRY ADDRESS          3  0876              5
139    879         DCW   #3    126 Q SQRTF ENTRY ADDRESS                     3  0879              5
140    882         DCW   #3    125 F FLOATF ENTRY ADDRESS                    3  0882              6
141    885         DCW   #3    124 X XFIXF ENTRY ADDRESS                     3  0885              6
142    888         DCW   #3    123 N NEGATION ENTRY ADDRESS                  3  0888              6
143    891         DCW   #3    122 A ABSF ENTRY ADDRESS                      3  0891              6
144    894         DCW   #3    121 T ATANF ENTRY ADDRESS                     3  0894              6
145    897         DCW   #3    120 E EXPF ENTRY ADDRESS                      3  0897              6
146    900         DCW   #3    119 G LOGF ENTRY ADDRESS                      3  0900              6
147    903         DCW   #3    118 SC SINF OR COSF ENTRY ADDRESS             3  0903              7
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| SEQ PG LIN | LABEL | OP | OPERANDS | SFX | CT | LOCN | INSTRUCTION TYPE | CARD |
|---|---|---|---|---|---|---|---|---|
| 148   906 | | DCW | #3   117 SERIES | | 3 | 0906 | | 7 |
| 149   909 | | DCW | #3   116 SUBSCRIPT | | 3 | 0909 | | 7 |
| 150   912 | | DSA | IOLIST  115 I/O LIST AND NOT LIMITED FORMAT | | 3 | 0912 | J32 | 7 |
| 151   915 | | DCW | #3   114 I/O LIST | | 3 | 0915 | | 7 |
| 152   918 | | DCW | #3   113 | | 3 | 0918 | | 7 |
| 153   921 | | DCW | #3   112 | | 3 | 0921 | | 7 |
| 154   924 | FUNTAB | DCW | #3   111 | | 3 | 0924 | | 8 |
| 155   927 | | DSA | FUNTAB | | 3 | 0927 | 924 | 8 |
| 156   930 | CONBOT | DCW | #3   BOTTOM OF CONSTANTS - 1 | | 3 | 0930 | | 8 |
| 157   933 | ARYBOT | DCW | #3   BOTTOM OF ARRAYS - 1 | | 3 | 0933 | | 8 |
| 158 | * | | | | | | | |
| 159   934 | BEGINN | B | SETUP | V3M4 | 4 | 0934 | B \|36 | 8 |
| 160   938 | LOADC | SBR | TPREAD&6,BEGINN | | 7 | 0938 | H 786 934 | 8 |
| 161   945 | | SBR | CLRBOT | | 4 | 0945 | H 833 | 8 |
| 162   949 | | SBR | LOADXX&3,337 | | 7 | 0949 | H 796 337 | 9 |
| 163   956 | | SBR | CLEARL&3,GMWM | | 7 | 0956 | H 710 W96 | 9 |
| 164   963 | | LCA | FUNLDC,PHASID | | 7 | 0963 | L 982 110 | 9 |
| 165   970 | | B | LOADNX | | 4 | 0970 | B 700 | 9 |
| 166   982 | FUNLDC | DCW | @FUNLOAD C@ | | 9 | 0982 | | 9 |
| 167   983 | LOADB | SBR | TPREAD&6,333 | | 7 | 0983 | H 786 333 | 10 |
| 168   990 | | SBR | CLRBOT,LOADB | | 7 | 0990 | H 833 983 | 10 |
| 169   997 | | BSS | SNAPSH,C | | 5 | 0997 | B 333 C | 10 |
| 170 1 002 | | SBR | LOADXX&3,LOADC | | 7 | 1002 | H 796 938 | 10 |
| 171 1 009 | | SBR | CLEARL&3,GMWM | | 7 | 1009 | H 710 W96 | 10 |
| 172 1 016 | | LCA | FUNLDB,PHASID | | 7 | 1016 | L \|35 110 | 11 |
| 173 1 023 | | B | LOADNX | | 4 | 1023 | B 700 | 11 |
| 174 1 035 | FUNLDB | DCW | @FUNLOAD B@ | | 9 | 1035 | | 11 |
| 175 1 036 | SETUP | BWZ | *&5,X3,2 | V3M4 | 8 | 1036 | V \|48 099 2 | 11 |
| 176 1 044 | | B | LOADB | V3M4 | 4 | 1044 | B 983 | 11 |
| 177 1 048 | | BWZ | *&5,X3-2,S | V3M4 | 8 | 1048 | V \|60 097 S | 12 |
| 178 1 056 | | B | LOADB | V3M4 | 4 | 1056 | B 983 | 12 |
| 179 1 060 | | SBR | X3,2000 | V3M4 | 7 | 1060 | H 099 !00 | 12 |
| 180 1 116 | | BIN | LOADB, | V3M4 | 5 | 1067 | B 983 | 12 |
| 181 | | ORG | 1696 | | | | 1696 | |
| 182 1 696 | GMWM | DCW | @}@ | | 1 | 1696 | GMARK | 13 |
| 183 | | EX | BEGINN | | | | B 934 | 14 |
| 184 | | END | | | | | / 000 080 | |

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| SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| ARYBOT | 933 | BEGINN | 934 | CLEARL | 707 | CLRBOT | 833 | CONBOT | 930 | EXLINK | 840 | FUNLDB | 1035 |
| FUNLDC | 982 | FUNTAB | 924 | GMWM | 1696 | IOLIST | 2132 | LOADB | 983 | LOADC | 938 | LOADNX | 700 |
| LOADXX | 793 | PHASID | 110 | SETUP | 1036 | SNAPSH | 333 | TPREAD | 780 | USER1 | 876 | X3 | 99 |