```
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

                          LIBRARY -- SNAPSHOT ROUTINE                                          PAGE    1

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

 101               JOB   LIBRARY -- SNAPSHOT ROUTINE
 102               CTL   6611
 103         *
 104     89  X1    EQU   89                                                      0089
 105         XXXXX1 EQU  X1     FOR USE IN SFX REGIONS                         0089
 106     94  X2    EQU   94                                                      0094
 107         XXXXX2 EQU  X2     FOR USE IN SFX REGIONS                         0094
 108     99  X3    EQU   99                                                      0099
 109         XXXXX3 EQU  X3     FOR USE IN SFX REGIONS                         0099
 110               ORG   333                                                           0333
 111         *
 112         PHASID EQU  110                                                   0110
 113         TOPCOR EQU  688    FROM PARAMETER CARD                            0688
 114         *
 115         * SNAPSHOT ROUTINE
 116         *
 117    333  SNAPSH SBR  EXIT&3                                             4  0333  H 567               4
 118    337         SBR  SXX&6                                              4  0337  H 408               4
 119    341         MCW  KZ3,ADR5-2  START FIVE-DIGIT ADDRESS AT ZERO       7  0341  M 661 656           4
 120    348         MCW  XXXXX3,SX3&6                                       7  0348  M 099 415           4
 121    355         MCW  XXXXX1,SX1&6                                       7  0355  M 089 422           4
 122    362         SBR  XXXXX1,1                                           7  0362  H 089 001           4
 123    369         SBR  XXXXX3,202                                         7  0369  H 099 202           5
 124    376         CS   332                                                4  0376  / 332               5
 125    380         CS                                                      1  0380  /                   5
 126    381         NOP  PHASID,210  MCW ON THE COMPILER TAPE               7  0381  N 110 210           5
 127    388         BSS  SKIP,F                                             5  0388  B 621 F             5
 128         *
 129         * PRINT A HEADER
 130         *
 131    393         CC   1                                                  2  0393  F 1                 5
 132    395         MCW  XXXXX2,250                                         7  0395  M 094 250           5
 133    402  SXX    SBR  216,0       RETURN ADDRESS WAS STORED IN B         7  0402  H 216 000           6
 134    409  SX3    SBR  256,0       X3 WAS STORED IN B                     7  0409  H 256 000           6
 135    416  SX1    SBR  244,0       X1 WAS STORED IN B                     7  0416  H 244 000           6
 136    423         W                                                       1  0423  2                   6
 137    424         CC   K                                                  2  0424  F K                 6
 138    426         ZA   KP2,W2A                                            7  0426  ? 662 664           6
 139    433  CLEARH CS   332                                                4  0433  / 332               6
 140    437         CS                                                      1  0437  /                   7
 141    438         CC   J                                                  2  0438  F J                 7
 142    440         MCW  ADR5,306    FIVE-DIGIT ADDRESS                     7  0440  M 658 306           7
 143    447         MCW                                                     1  0447  M                   7
 144    448         SBR  LOOP&6                                             4  0448  H 465               7
 145    452         MCW  K9,W2B-1                                           7  0452  M 665 668           7
 146    459  LOOP   MCW  W2B-1,000                                          7  0459  M 668 000           7
 147    466         MCW  DOTS                                               4  0466  M 651               8
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SEQ PG LIN  LABEL  OP   OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD
148    470         SBR  LOOP&6                                             4  0470  H 465               8
149    474         A    KM10,W2B    ADD I0 = -10                         7  0474  A 667 669           8
150    481         BWZ  LOOP,W2B-1,2  NO ZONE IN COUNTER HIGH DIGIT?      8  0481  V 459 668 2         8
151    489         A    KP1,ADR5-2  BUMP HUNDREDS DIGIT OF ADDRESS       7  0489  A 670 656           8
152    496         W                                                      1  0496  2                   8
153    497  GET    SW   0&X3        MOVE DATA AND WM TO PRINT AREA       4  0497  , 0?0               8
154    501         MCW  0&X1,0&X3                                         7  0501  M 0'0 0?0           9
155    508         BW   NOWM,0&X1   SKIP CLEARING PRINT AREA WM          8  0508  V 520 0'0 1         9
156    516         CW   0&X3                                             4  0516  ) 0?0               9
157    520  NOWM   C    XXXXX1,TOPCOR  DONE?                             7  0520  C 089 688           9
158    527         BU   CONT        NO                                   5  0527  B 568 /             9
159    532         W                                                      1  0532  2                   9
160    533         WM                                                     2  0533  2 )                 9
161    535  RX1    MCW  SX1&6,XXXXX1   RESTORE INDEX REGS                7  0535  M 422 089          10
162    542         MCW  SX3&6,XXXXX3                                      7  0542  M 415 099          10
163    549         CS   332                                              4  0549  / 332              10
164    553         CS                                                     1  0553  /                  10
165    554         BSS  HALT,G                                            5  0554  B 563 G            10
166    559         B    EXIT                                              4  0559  B 564              10
167    563  HALT   H                                                      1  0563  .                  10
168    564  EXIT   H    0-0         B ON COMPILER TAPE                   4  0564  . 000              11
169    568  CONT   SBR  XXXXX1,1&X1                                       7  0568  H 089 0'1          11
170    575         BCE  BUMP3,XXXXX3-2,2                                 8  0575  B 632 097 2        11
171    583         SBR  XXXXX3,201                                       7  0583  H 099 201          11
172    590         W                                                      1  0590  2                  11
173    591         WM                                                     2  0591  2 )                11
174    593         A    KP1,W2A                                           7  0593  A 670 664          11
175    600         C    W2A,KP15                                          7  0600  C 664 672          12
176    607         BU   CLEARH                                           5  0607  B 433 /            12
177    612         S    W2A                                               4  0612  S 664              12
178    616         CCB  CLEARH,1                                          5  0616  F 433 1            12
179    621  SKIP   MCW  XQTD,220                                          7  0621  M 680 220          12
180    628         W    RX1                                               4  0628  2 535              12
181    632  BUMP3  A    KP1,XXXXX3                                        7  0632  A 670 099          12
182    639         B    GET                                               4  0639  B 497              13
183    651  DOTS   DCW  @9........@                                        9  0651                     13
184    653         DCW  @9-@                                              2  0653                     13
185    658  ADR5   DCW  @00000@    FIVE DIGIT ADDRESS                     5  0658                     13
186    661  KZ3    DCW  @000@                                             3  0661                     13
187    662  KP2    DCW  &2                                                1  0662                     13
188    664  W2A    DCW  #2                                                2  0664                     13
189    665  K9     DCW  @9@                                               1  0665                     14
190    667  KM10   DCW  @I0@                                              2  0667                     14
191    669  W2B    DCW  #2                                                2  0669                     14
192    670  KP1    DCW  &1                                                1  0670                     14
193    672  KP15   DCW  &15                                               2  0672                     14
194    680  XQTD   DCW  @EXECUTED@                                        8  0680                     14
195                END                                                          / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ADR5	658	BUMP3	632	CLEARH	433	CONT	568	DOTS	651	EXIT	564	GET	497
HALT	563	K9	665	KM10	667	KP1	670	KP15	672	KP2	662	KZ3	661
LOOP	459	NOWM	520	PHASID	110	RX1	535	SKIP	621	SNAPSH	333	SX1	416
SX3	409	SXX	402	TOPCOR	688	W2A	664	W2B	669	X1	89	X2	94
X3	99	XQTD	680	XXXXX1	89	XXXXX2	94	XXXXX3	99				