```
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

                          POWERS OF 2 -- WITH ZERO SUPPRESSION AND EXPONENT                  PAGE    1

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

 101                JOB   POWERS OF 2 -- WITH ZERO SUPPRESSION AND EXPONENT
 102                SFX   A                                                A
 103         *
 104         * LOADED PROGRAM
 105         *
 106                ORG   328                                              A            0328
 107  3 28   NUM    DC    1                                                A   1  0328                     4
 108  3 32   EXP    DCW   @   0@                                           A   4  0332                     4
 109  3 33   RUN    MCS   NUM                                              A   4  0333  Z 328              4
 110  3 37   Q      W                                                      A   1  0337  2                  4
 111  3 38   R      SW    200,EXP-3                                        A   7  0338  , 200 329          4
 112  3 45   S      A     NUM                                              A   4  0345  A 328              5
 113  3 49   T      A     T,EXP                                            A   7  0349  A 349 332          5
 114  3 56   U      MCS   EXP                                              A   4  0356  Z 332              5
 115  3 60   V         B  RUN,200                                          A   7  0360  B 333 200          5
 116  3 67   HALT   H                                                      A   1  0367  .                  5
 117  3 68   X      DCW   #1                                               A   1  0368                     5
 118                EX    RUN                                              A            B 333              6
 119         *
 120         * FIRST CARD
 121         *
 122                ORG   1                                                A            0001
 123     1   START  SW    A,B                                              A   7  0001  , 008 015          9
 124     8   A      SW    C,D                                              A   7  0008  , 022 029          9
 125    15   B      LCA   PROG,HALT                                        A   7  0015  L 074 367          9
 126    22   C      SW    E,F                                              A   7  0022  , 036 040          9
 127    29   D      SW    RUN,Q                                            A   7  0029  , 333 337          9
 128    36   E      R     1                                                A   4  0036  1 001              9
 129    40   F      MCS   328                                              A   4  0040  Z 328             10
 130    74   PROG   DC    @2,200329A328A349332Z332B333200.@                A  31  0074                    10
 131          *
 132          * SECOND CARD
 133          *
 134                ORG   1                                                A            0001
 135     1          SW    R,S                                              A   7  0001  , 338 345         11
 136     8          SW    T,U                                              A   7  0008  , 349 356         11
 137    15          SW    V,HALT                                           A   7  0015  , 360 367         11
 138    22          SW    X,X                                              A   7  0022  , 368 368         11
 139    29          SW    G,H                                              A   7  0029  , 047 054         11
 140    36          CS    299                                              A   4  0036  / 299             11
 141    40          MCW   G&3,328                                          A   7  0040  M 050 328         12
 142    47   G      SW    I,K0-3                                           A   7  0047  , 061 068         12
 143    54   H      LCA   K0,332                                           A   7  0054  L 071 332         12
 144    61   I      CS    RUN,337                                          A   7  0061  / 333 337         12
 145    71   K0     DCW   @   0@                                           A   4  0071                    12
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SEQ PG LIN  LABEL  OP    OPERANDS                                         SFX CT  LOCN  INSTRUCTION TYPE  CARD

146                JOB   POWERS OF 2 -- NO EXPONENT                        A
147                SFX   B                                                 B
148         *
149         * LOADED PROGRAM
150         *
151                ORG   332                                               B           0332
152  3 32          DC    1                                                 B   1  0332                     13
153  3 33   RUN    CS    299                                               B   4  0333  / 299              13
154  3 37   G      MCS   332                                               B   4  0337  Z 332              13
155  3 41   H      W                                                       B   1  0341  2                  13
156  3 42   I      SW    200                                               B   4  0342  , 200              13
157  3 46   J      A     332                                               B   4  0346  A 332              14
158  3 50   K         B  RUN,200                                           B   7  0350  B 333 200          14
159  3 57   HALT   H                                                       B   1  0357  .                  14
160  3 58   L      DCW   #1                                                B   1  0358                     14
161                EX    RUN                                               B          B 333              15
162         *
163         * FIRST CARD
164         *
165                ORG   1                                                 B           0001
166     1   START  SW    A,B                                               B   7  0001  , 008 015          18
167     8   A      SW    C,D                                               B   7  0008  , 022 029          18
168    15   B      LCA   PROG,HALT                                         B   7  0015  L 064 357          18
169    22   C      SW    E,F                                               B   7  0022  , 036 040          18
170    29   D      SW    RUN,G                                             B   7  0029  , 333 337          18
171    36   E      R     1                                                 B   4  0036  1 001              18
172    40   F      CS    299                                               B   4  0040  / 299              19
173    64   PROG   DCW   @Z3322,200A332B337200.@                           B  21  0064                     19
174         *
175         * SECOND CARD
176         *
177     1          SW    H,I                                               B   7  0065  , 341 342          19
178     8          SW    J,K                                               B   7  0072  , 346 350          19
179    15          SW    HALT,L                                            B   7  0079  , 357 358          20
180    22          CS    RUN,331                                           B   7  0086  / 333 331          20
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SEQ PG LIN  LABEL  OP    OPERANDS                                    SFX CT  LOCN  INSTRUCTION TYPE  CARD

181                JOB   POWERS OF 2 -- FITS ON ONE CARD                      B
182                SFX   C                                                    C
183                ORG   1                                                    C             0001
184     1   START  SW    A,B                                                  C   7  0001  , 008 015           21
185     8   A      SW    C,D                                                  C   7  0008  , 022 026           21
186    15   B      SW    E,F                                                  C   7  0015  , 033 034           21
187    22   C      SW    L                                                    C   4  0022  , 068               21
188    26   D      SW    G,H                                                  C   7  0026  , 042 050           21
189    33   E      SW                                                         C   1  0033  ,                   21
190    34   F      SW    J,L                                                  C   7  0034  , 056 068           22
191    41          SW                                                         C   1  0041  ,                   22
192    42   G      SW    I,K1                                                 C   7  0042  , 055 076           22
193    49          SW                                                         C   1  0049  ,                   22
194    50   H      CS    333                                                  C   4  0050  / 333               22
195    54          CS                                                         C   1  0054  /                   22
196    55   I      SW                                                         C   1  0055  ,                   22
197    56   J      A     K1,332                                               C   7  0056  A 076 332           23
198    63   LOOP   W                                                          C   1  0063  2                   23
199    64   K      A     332                                                  C   4  0064  A 332               23
200    68   L         B  LOOP,200                                             C   7  0068  B 063 200           23
201    75          H                                                          C   1  0075  .                   23
202    76   K1     DCW   1                                                    C   1  0076                      23
203                EX    START                                                C            B 001               24
204                END                                                        C            / 000 080
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SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
AA	8	AB	8	AC	8	BA	15	BB	15	BC	15	CA	22
CB	22	CC	22	DA	29	DB	29	DC	26	EA	36	EB	36
EC	33	EXPA	332	FA	40	FB	40	FC	34	GA	47	GB	337
GC	42	HA	54	HALTA	367	HALTB	357	HB	341	HC	50	IA	61
IB	342	IC	55	JB	346	JC	56	K0A	71	K1C	76	KB	350
KC	64	LB	358	LC	68	LOOPC	63	NUMA	328	PROGA	74	PROGB	64
QA	337	RA	338	RUNA	333	RUNB	333	SA	345	STARTA	1	STARTB	1
STARTC	1	TA	349	UA	356	VA	360	XA	368				