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                    POWERS OF TWO ON TWO CARDS                                                   PAGE    1

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

101                JOB   POWERS OF TWO ON TWO CARDS
102                CTL   6611
103                ORG   1                                                          0001
104         A      SW    B,C           BOOTSTRAP                               7  0001  , 008 015
105         B      SW    D,F                                                   7  0008  , 022 027
106         C      SW    E,I                                                   7  0015  , 023 036
107         D      SW      D,H                                                 1  0022  ,
108         E      SW    G                                                     4  0023  , 031
109         F      SW    J                                                     4  0027  , 043
110         G      CS    327           CLEAR                                   4  0031  / 327
111         H      CS                    PRINT AREA                            1  0035  /
112         I      SW    K,L                                                   7  0036  , 047 052
113         J      R     A2            THE REST IS ON THE NEXT CARD            4  0043  1 001
114                ORG   1                                                          0001
115         A2     SW    M,N           LAST OF                                 7  0001  , 056 058
116         B2     SW    O,P             THE BOOTSTRAP                         7  0008  , 066 067
117         C2     LCA   Q,332         START UP VALUES                         7  0015  L 071 332
118         D2     W                   PRINT                                   1  0022  2
119         E2     SW    200           SET WM THAT MCS AT G2 CLEARS            4  0023  , 200
120         F2     A     328           DOUBLE THE VALUE                        4  0027  A 328
121         G2     MCS   328           SUPPRESS LEADING ZEROES                 4  0031  Z 328
122         H2     SW      199,329                                             1  0035  ,
123         I2     A     *-6,332       BUMP EXPONENT                           7  0036  A 036 332
124         J2     MCS   332           SUPPRESS LEADING ZEROES                 4  0043  Z 332
125         K      BCV   *&5           Q. PRINTER CARRIAGE OVERFLOW            5  0047  B 056 @
126         L      B     *&3           NO                                      4  0052  B 058
127         M      CC    1             YES, SKIP TO HEAD OF FORM               2  0056  F 1
128         N      BCE   D2,200,       Q. NO ARITHMETIC OVERFLOW               8  0058  B 022 200
129         O      H                   NO, HALT                                1  0066  .
130         P      DC    2             FIRST VALUE                             1  0067
131         Q      DC    @   1@        FIRST EXPONENT                          4  0071
132                END                                                              / 000 080
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| SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 | A2 | 1 | B | 8 | B2 | 8 | C | 15 | C2 | 15 | D | 22 |
| D2 | 22 | E | 23 | E2 | 23 | F | 27 | F2 | 27 | G | 31 | G2 | 31 |
| H | 35 | H2 | 35 | I | 36 | I2 | 36 | J | 43 | J2 | 43 | K | 47 |
| L | 52 | M | 56 | N | 58 | O | 66 | P | 67 | Q | 71 | | |