

LABEL 000000000PRINTER00175098CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/SYSDISK;END*

OBJECT /READ

SYMBOL/SYSDISK

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BEGIN          %SYSTEM DISK MAKER FOR EXTENDED DATACOMM          00001000
COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE          * 00001110
          * FILE ID: SYMBOL/SYSDISK TAPE ID: SYMBOL2/FILE000    * 00001111
1          * THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION * 00001112
2          * AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED    * 00001113
3          * EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON  * 00001114
4          * WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF     * 00001115
5          * BURROUGHS CORPORATION, DETROIT, MICHIGAN 48232     * 00001116
6          *                                                     * 00001117
7          * COPYRIGHT (C) 1971 , 1972 BURROUGHS CORPORATION    * 00001118
8          * AA320206 AA386657                                  *; 00001119
9          DEFINE SYSDISKRL=5#, TC500=2#, SCHED=7#, TWX=0#, MULTIPPOINT=2#; 00002000
10         ARRAY A(0:SYSDISKRL),SAVEA(0:255),B(0:10);           00003000
11         BOOLEAN NOSTATIONS,NOGU,NOERRS,SCHEDLINE;           00004000
12         INTEGER LMAX,TNAGCNT,I,S,OLDBUFF,STACOUNT;           00005000
13         FILE CARD (1,10,300);                                00006000
14         FILE DISK DISK SERIAL [1:256] "SYSTEM" "DISK" (2,SYSDISKRL,30,
15             SAVE 99);                                         00008000
16         FILE PRNT 1(1,10);                                    00009000
17         LABEL EOF,AWAY;                                       00010000
18         REAL STREAM PROCEDURE SCAN(B);                        00011000
19         BEGIN LABEL L;                                         00012000
20             SI:=B;                                             00013000
21         L: IF SC=" " THEN BEGIN SI:=SI+1; GO TO L END;        00014000
22             IF SC="L" THEN TALLY:=1 ELSE                       00015000
23             IF SC="S" THEN TALLY:=2;                           00016000
24             SCAN:=TALLY;                                       00017000
25         END;                                                  00018000
26         %                                                     00019000
27         PROCEDURE ERROR(N); VALUE N; INTEGER N;               00020000
28         BEGIN FORMAT F(//), F1(/);                             00021000
29             SWITCH FORMAT FMTS:=                               00022000
30                 (" BUFFER SIZE ERROR"),                       00023000
31                 (" WARNING: NO STATION CARDS FOR PREVIOUS LINE CARD"), 00024000
32                 (" TU/BUFF OUT OF ORDER"),                   00025000
33                 (" SCHEDULE LINE DECLARED OUT OF ORDER"),    00026000
34                 (" WARNING: NAKMAX TOO LARGE, SET TO 7"),    00027000
35                 (" ILLEGAL ADDRESS CHARACTER"),              00028000
36                 (" MORE THAN ONE STATION ON NON-MULTIPOINT LINE"), 00029000
37                 (" TOO MANY STATIONS ON THIS LINE"),         00030000
38                 (" STATION TYPE INCOMPATIBLE WITH LINE DISCIPLINE"); 00031000
39             IF NOERRS THEN                                       00032000
40                 BEGIN WRITE(PRNT,F);                            00033000
41                     WRITE(PRNT,10,B[*]);                       00034000
42                     WRITE(PRNT,F1);                             00035000
43                 END;                                           00036000
44                 WRITE(PRNT,FMTS[ABS(N)]);                      00037000
45                 NOGO:=NOGO OR N GEQ 0;                         00038000
46                 NOERRS:=FALSE;                                  00039000
47         END;                                                  00040000
48         %                                                     00041000
49         PROCEDURE NOSTAS;                                       00042000
50         BEGIN REAL DUM;                                         00043000
51             IF (DUM=A[41,(3:3)]=TWX THEN A(0):=0              00044000
52             ELSE IF DUM<SCHED THEN ERROR(-1);                 00045000
53             WRITE(DISK,SYSDISKRL,A[*]);                        00046000
54             LMAX:=LMAX+1;                                       00047000
55         END;                                                  00048000
56         %                                                     00049000
57         PROCEDURE NEWLINE)                                     00050000

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BEGIN REAL DUM,TU,BUFF,BUFSIZE,PNGPNG,ADTYP,LINEDIS,DIRECT;      00051000
  LABEL SETUP;                                                    00052000
  NOERRS:=TRUE;                                                  00053000
  STACOUNT:=0;                                                    00054000
  IF NOSTATIONS THEN NOSTAS;                                      00055000
  READ(B[*],/,DUM,TU,BUFF,BUFSIZE,PNGPNG,ADTYP,LINEDIS,DIRECT); 00056000
  IF LINEDIS=SCHED THEN                                          00057000
  BEGIN IF NOT SCHEDLINE THEN ERROR(3);                          00058000
    BUFSIZE:=2;                                                  00059000
    GO TO SETUP;                                                 00060000
  END;                                                            00061000
  BUFSIZE:=IF BUFSIZE=28 THEN 0 ELSE                             00062000
    IF BUFSIZE=56 THEN 1 ELSE                                    00063000
    IF BUFSIZE=112 THEN                                         00064000
    IF BOOLEAN(PNGPNG) THEN BUFSIZE ELSE 2 ELSE BUFSIZE;        00065000
  IF BUFSIZE LSS 0 OR BUFSIZE GTR 2 THEN ERROR(0);              00066000
  IF OLDBUFF GEQ OLDBUFF:=BUFF&TU[40:44:4] THEN ERROR(2);      00067000
  SCHEDLINE:=FALSE;                                             00068000
  SETUP: A[4]:=0&DIRECT[2:47:1]&LINEDIS[3:45:3]&BUFSIZE[6:46:2] 00069000
    &PNGPNG[8:47:1]&TU[9:44:4]&BUFF[14:44:4]&ADTYP[18:46:2];    00070000
  NOSTATIONS:=TRUE;                                             00071000
  END;                                                            00072000
  *
  PROCEDURE NEWSTATION;                                          00073000
  BEGIN REAL DUM,TYPE,LINELENGTH,LINEPAGE,NAKMAX,ADDR1,ADDR2,NEQ1, 00075000
    NEQ2;                                                         00076000
    DEFINE NQ1=BOOLEAN(NEQ1)#, NQ2=BOOLEAN(NEQ2)#;              00077000
    BOOLEAN STREAM PROCEDURE BADADDRESS(CHAR);                  00078000
    BEGIN LOCAL A,B;                                             00079000
      DI:=LOC B; DS:=LIT""; DS:=10 LIT"#$%&5PQT2";             00080000
      DI:=DI-11;                                                 00081000
      SI:=CHAR; SI:=SI+7;                                        00082000
      11(IF SC=DC THEN BEGIN TALLY:=1; JUMP OUT END              00083000
        ELSE SI:=SI-1);                                         00084000
      BADADDRESS:=TALLY;                                         00085000
    END;                                                         00086000
    NOERRS:=TRUE;                                               00087000
    READ(B[*],/,DUM,TYPE,LINELENGTH,LINEPAGE,NAKMAX,ADDR1,ADDR2, 00088000
      NEQ1,NEQ2);                                               00089000
    IF NAKMAX GTR 7 THEN                                         00090000
    BEGIN NAKMAX:=7;                                             00091000
      ERROR(-4);                                                00092000
    END;                                                         00093000
    IF (DUM:=A[4].[3:3])=TWX THEN IF TYPE#TWX THEN ERROR(8) ELSE 00094000
    ELSE                                                         00095000
    IF DUM#SCHED THEN                                           00096000
    BEGIN IF TYPE=TWX THEN ERROR(8);                              00097000
      IF (BADADDRESS(ADDR1) AND NOT NQ1) OR (BADADDRESS(ADDR2) 00098000
        AND (NQ1 EQV NQ2)) THEN ERROR(5);                       00099000
      IF LINEPAGE#0 THEN LINEPAGE:=LINEPAGE-2;                 00100000
    END;                                                         00101000
    A[0]:=NEQ2&NEQ1[46:47:1]&ADDR2[40:42:6]&ADDR1[34:42:6]      00102000
      &LINELENGTH[26:40:8]&LINEPAGE[20:42:6]&NAKMAX[17:45:3] 00103000
      &TYPE[10:45:3];                                           00104000
    IF NOSTATIONS THEN                                          00105000
    BEGIN NOSTATIONS:=FALSE;                                     00106000
      WRITE(DISK,SYSDISKRL,A[*]);                               00107000
      LMAX:=LMAX+1;                                             00108000
    END ELSE                                                     00109000
    IF DUM#MULTIPOINT THEN ERROR(6) ELSE                         00110000

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IF (STACOUNT:=STACOUNT+1) = IF A[4].[6:2]=0 THEN 3 ELSE 7 THEN 00111000
ERROR(7) ELSE 00112000
SAVEA[I:=I+1]:=A[0]&LMAX[2:40:8]; 00113000
IF LINEPAGE#0 OR TYPE=TC500 THEN TNAOGCNT:=TNAOGCNT+1; 00114000
END; 00115000
% 00116000
SCHEDLINE:=TRUE; 00117000
NOSTATIONS:=NOGO:=FALSE; 00118000
I:=8[10]!=-1; 00119000
A[1]:=A[2]:=A[3]:=0; 00120000
WRITE(DISK,SYSDISKRL,A[*]); 00121000
DO BEGIN 00122000
DO READ(CARD,10,B[*])[EOF] UNTIL (S:=SCAN(B[*]))#0; 00123000
IF BOOLEAN(S) THEN NEWLINE ELSE NEWSTATION; 00124000
END UNTIL FALSE; 00125000
EOF; 00126000
CLOSE(CARD); 00127000
IF NOSTATIONS THEN NOSTAS; 00128000
IF NOGO THEN BEGIN CLOSE(DISK,PURGE); GO AWAY END; 00129000
IF I GEQ 0 THEN 00130000
BEGIN A[4]:=0; 00131000
FOR S:=0 STEP 1 UNTIL I DO 00132000
BEGIN A[0]:=SAVEA[S]; 00133000
WRITE(DISK,SYSDISKRL,A[*]); 00134000
END END; 00135000
REWIND(DISK); 00136000
A[0]:=0; 00137000
A[4]:=LMAX&(LMAX+I+1)[32:40:8]&TNAOGCNT[24:40:8]; 00138000
WRITE(DISK,SYSDISKRL,A[*]); 00139000
LOCK(DISK); 00140000
AWAY; 00141000
END. 00142000
END;END. LAST CARD ON OCRDING TAPE 99999999

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