

LABEL 000000000PRINTER00175100CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/DSKDSK++0000000

OBJECT /READ

SYMBOL / DSK DSK

Data Documents/Inc.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57

```

DISK-TO-DISK MCP LOADER; BY W.C.P. AS AMMENDED BY P.E.G.
COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE
* FILE ID: SYMBOL/DISK/DISK TAPE ID: SYMBOL2/FILE000
* THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION
* AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED
* EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON
* WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF
* BURROUGHS CORPORATION, DETROIT, MICHIGAN 48232
*
* COPYRIGHT (C) 1971, 1972 BURROUGHS CORPORATION
* AA320206 AA386657

```

```
BEGIN
```

```

DEFINE M=MEMORY#,P=POLISH#;
NAME BUFFER,TEMP;
LABEL LOAD,LOOP,START,UNT;
INTEGER I,J,K,FILEBASE,DIRECTLOCK,LOADED,FOUND;
ARRAY MESS[16]←0,0," NOT IN ", "DIRECTOR", "Y+000000",
"DKA (W) ", "FAILURE=", "D16: A" ", 0, "+++++++",
"BAD LOAD", " CHECK D", "ECK+0000",
"WHAT MCP", " DO YOU ", "WISH+000";
ARRAY LOADBUTTON[30]←

```

```

OCT0441000401570421, % 1 20 00130000
OCT0157000000104411, % 2 21 00140000
OCT0211001441310055, % 3 22 00150000
OCT4155124500004425, % 4 23 00160000
OCT0060013101600064, % 5 24 00170000
OCT4441010402530305, % 6 25 00180000
OCT0100023441310055, % 7 26 00190000
OCT0062011441310055, % 8 27 00200000
OCT0066013441310055, % 9 30 00210000
OCT0072015441310055, % 10 31 00220000
OCT0076017441310055, % 11 32 00230000
OCT3140000047700200, % 12 33 00240000
OCT0441100401004441, % 13 34 00250000
OCT0253010420527405, % 14 35 00260000
OCT7405005101002411, % 15 36 00270000
0,0,0,0,0,0; % 16 37 = 43 00280000

```

```

%
%
SAVE INTEGER PROCEDURE RESULT;
BEGIN DO P(INI) UNTIL FALSE END;
%
SAVE INTEGER PROCEDURE IO(D); VALUE D; REAL U;
BEGIN P([D],IU); IO←RESULT.[25:8]; END;
%
SAVE PROCEDURE SPOUT(X); VALUE X; INTEGER X;
BEGIN MESS[0]←FLAG(NABS(MESS[0]));
MESS[1]←FLAG(MESS[1]&17[1:43:5]);
DO UNTIL IO(MESS INX X&30[3:43:5])=0
END SPOUT;
SAVE PROCEDURE FINDINPUT;
BEGIN
DO UNTIL (IO(@240120040000000&(BUFFER)[33:33:15])AND 5)=0;
END;
%
SAVE PROCEDURE DISKIO( SIZE,ADRES);
VALUE SIZE,ADRES ;
INTEGER SIZE,ADRES ;
BEGIN REAL AREA)

```

Data Documents/Inc.

33446

	LABEL HANDEL;	00520000
	AREA←BUFFER.[33:15]&6[3:43:5]& SIZE[24:1:1]	00530000
	&SIZE[27:42:6];	00540000
1	HANDEL: STREAM(ADRES,BUFFER); BEGIN SI←LOC ADRES; DS←8 DEC END;	00550000
2	FOR K←1 STEP 1 UNTIL 10 DO	00560000
3	IF(I←IO(AREA))=0 THEN P(XIT);	00570000
4	IF ADRES=0 AND SIZE=0 AND I=20 THEN P(XIT);% SLOW DISK	00575000
5	IF (I AND @230) = 0 THEN GO TO HANDEL;	00580000
6	IF (I AND @030) ≠ 0 THEN% INVLD ADDRESS	00590000
7	BEGIN ADRES := ABS(ADRES);	00600000
8	GO TO HANDEL;	00610000
9	END;	00620000
10	MESS[8]←M[AREA];	00630000
11	IF AREA.[24:1] THEN MESS[5].[30:6]←"R";	00640000
12	STREAM(N←(I×I×I×10000000000000).[3:6],M←[MESS[7]]);	00650000
13	BEGIN SI←LOC N; SI←SI+6; DI←DI+1; DS←2 ADD END;	00660000
14	SPOUT(5); DO UNTIL FALSE;	00670000
15	END;	00680000
16	SAVE INTEGER PROCEDURE PACKER;	00690000
17	BEGIN;	00700000
18	STREAM (A:= [BUFFER[9]],B:= [PACKER]);	00710000
19	BEGIN SI := A; SI := SI + 4;	00720000
20	DI := B; DI := DI + 6;	00730000
21	4(SKIP 3 SB; 3(IF SB THEN DS:=SET ELSE SKIP DB;SKIP SB));	00740000
22	END;	00750000
23	END;	00760000
24	%	00770000
25	SAVE PROCEDURE LOADER;	00780000
26	BEGIN LABEL TOPPER;	00790000
27	IF LOADED THEN BEGIN SPOUT(10); DO UNTIL FALSE; END;	00800000
28	TOPPER: STREAM(B:= [BUFFER[1]],A:=BUFFER[9].[6:9],	00810000
29	D←PACKER INX BUFFER);	00820000
30	BEGIN SI ←B; DS ← A WDS; END;	00830000
31	FINDINPUT;	00840000
32	IF BUFFER[0].[4:4]=0 THEN GO TO TOPPER;	00850000
33	TEMPP := BUFFER;	00860000
34	BUFFER := 111 INX BUFFER;	00870000
35	LOADED := TRUE;	00880000
36	DISKIO( 30,1);	00890000
37	BUFFER := TEMPP;	00900000
38	END;	00910000
39	%	00920000
40	REAL RD1=12,RD2=13,RD3=14,RD4=15;	00930000
41	%	00940000
42	SAVE PROCEDURE STACK; BEGIN;END;	00950000
43	%	00960000
44	LOAD:16: GO START; %	00970000
45	LOOP:18: DO P(INI) UNTIL FALSE; % TIMER	00980000
46	: : P(1023,RTN); % I/O BUSY	00990000
47	: : GO LOOP; % KBD	01000000
48	: : GO LOOP; % LPA	01010000
49	: : GO LOOP; % LPB	01020000
50	: : P(RD1,RTN); % I/O 1	01030000
51	: : P(RD2,RTN); % I/O 2	01040000
52	: : P(RD3,RTN); % I/O 3	01050000
53	: : P(RD4,RTN); % I/O 4	01060000
54	:28: GO LOOP; % INQ	01070000
55	START:** P(.STACK,LOD,STS);	01080000
56	BUFFER←[M[P(0,RDS) INX 100]];	01090000
57	FINDINPUT;	01100000

Data Documents/Inc.

```

IF BUFFER[0].[4:44]=0 THEN LOADER;                                01110000
MESS[0]+MESS[1]+0;                                              01120000
  STREAM (A+1,BUFFER,MESS); BEGIN                                01130000
    SI + BUFFER;                                                01140000
    AGN: DI + DI+1;                                              01150000
    63 (IF SQ = " " THEN SI := SI + 1 ELSE                       01160000
      IF SC = "/" THEN SI := SI + 1 ELSE JUMP OUT);            01170000
    7 (IF SC = " " THEN DS+ LIT" " ELSE                          01180000
      IF SC = "/" THEN DS+ LIT" " ELSE DS+CHR);                01190000
    CI + CI + A;                                                01200000
    GO TU LVE;                                                  01210000
    TALLY +0;                                                  01220000
    A + TALLY;                                                  01230000
    SI + SI +1;                                                01240000
    GO TO AGN;                                                  01250000
  LVE: END;                                                     01260000
  DISKIO(-1,0);                                                 01270000
  DISKIO(0,DIRECTLOCK := (BUFFER[2]+2)); %LOCK DIRECTORY      01280000
  FOR J + BUFFER[2] + 4 STEP 16 WHILE TRUE DO                    01290000
  BEGIN DISKIO(-16,J);                                         01300000
    FOR I := 0 STEP 2 UNTIL 28 DO                                01310000
    BEGIN IF (BUFFER[479-I] EQV @114) = NOT 0 THEN              01320000
      BEGIN DISKIO(0,DIRECTLOCK); SPOUT(0); GO START END;    01330000
      IF (BUFFER[479-I]EQV MESS[0])=NOT 0 THEN                 01340000
      IF (BUFFER[480-I]EQV MESS[1])=NOT 0 THEN GO OWT;        01350000
    END; END;                                                  01360000
  OWT: FILEBASE+BUFFER[431-I*15];                               01370000
  DISKIO(0,DIRECTLOCK); % UNLOCK DIRECTORY                    01380000
  SPOUT(@10000011); % CARRAGE RETURN                          01390000
  BUFFER[0] + @ 40; % FIND OUT WHO I AM                        01400000
  BUFFER[1] := 0;                                              01410000
  J + 10 (BUFFER.[33:15]&6[3:43:5]& 1[18:47:1]);              01420000
  J + BUFFER[1].[4:2];                                         01430000
  J + 13 +(J*5);                                               01440000
  DISKIO(-1,-0); %LOCK SEG ZERO                               01450000
  BUFFER[J] +FILEBASE;                                         01460000
  STREAM(MESS,D:=[BUFFER[J-2]]);                                01470000
  BEGIN SI:=MESS; 2(SI:=SI+1;US:=LIT"0";US:=7 CHR) END;      01480000
  DISKIO(1,-0); %UNLOCK SEG ZERO                               01490000
  MESS[2]+FLAG(NABS("LOADED"));                                01500000
  SPOUT(0);                                                     01510000
  STREAM(LOADBUTTON,D+16);                                     01520000
  BEGIN SI+LOADBUTTON; DS+20 WDS END;                           01530000
  P(0,STF);                                                     01540000
  P(0,STS); GO LOAD;                                           01550000
  END OF LOADER.                                              01560000
  E PASSTYPE(ELBATWORD);
  0000000000000000)X2A42X
  15014000 T 0937
  END CLSMPMN;

```

33445

LABEL 000000000PRINTER00175100CC LX OBJECT/READ;FILE SOURCEFILE=SYMBOL/DSKDSK++0000000

OBJECT /READ

SYMBOL/DSKDSK

Data Documents Inc.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57

28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57