

LABEL 000000000PRINTER00175100CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/RESEQ;END+

OBJECT /READ

SYMBOL/RESEQ

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BEGIN 00010000
*** RESEQ/CANDE SOURCE PROGRAM, 2-70. *** 00010100
COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE * 00010110
1 * FILE ID: SYMBOL/RESEQ TAPE ID: SYMBOL2/FILE000 * 00010111
2 * THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION * 00010112
3 * AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED * 00010113
4 * EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON * 00010114
5 * WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF * 00010115
6 * BURROUGHS CORPORATION, DETROIT, MICHIGAN 48232 * 00010116
7 * * 00010117
8 * COPYRIGHT (C) 1971, 1972 BURROUGHS CORPORATION * 00010118
9 * AA320206 AA332366 AA386657 *; 00010119
10 REAL COMMON; 00010200
11 SAVE ARRAY ERR[0:4],A,N[0:30],B,PARAMS[0:10]; 00010300
12 FILE IN SRCEFIL DISK SERIAL (2,0,0); 00010400
13 FILE OUT OUTFIL DISK SERIAL [20:600] (2,10,300,SAVE 1); 00010500
14 FILE OUT NEWTAB DISK SERIAL [20:30 ] (2,30,300,SAVE 1); 00010600
15 BOOLEAN BRAAK, RESEQ, SFLG, MAKTAB, WRKFIL, OK; 00010700
16 LABEL READSRCE, EOF; 00010800
17 REAL BASE, ENDRESEQ, 00010900
18 INCR, LINE, LREC, NCT, NPT, OUTSEQ, 00011000
19 PC, PREVSEQ, SRCESEQ, STRTSEQ, USER; 00011100
20 %***** 00011200
21 REAL STREAM PROCEDURE HDR(F,N); VALUE N; 00011300
22 %***** 00011400
23 BEGIN 00011500
24 SI:=F; 3(SI:=SI+8); DI:=LOC F; DS:=WDS; 00011600
25 SI:=F; 14(SI:=SI+8); DI:=LOC F; DS:=WDS; 00011700
26 SI:=F; N(SI:=SI+8); DI:=LOC HDR; DS:=WDS; 00011800
27 END STREAM PROCEDURE HDR; 00011900
28 %***** 00012000
29 PROCEDURE DISKWAIT(I,A,S,D); 00012100
30 VALUE I,S,D; REAL I,S,D; ARRAY A[*]; COMMUNICATE(-8); 00012200
31 %***** 00012300
32 PROCEDURE TWXOUT(A,N,T); 00012400
33 %***** 00012500
34 VALUE N,T; 00012600
35 REAL A,N,T; 00012700
36 BEGIN COMMUNICATE(-11); 00012800
37 BRAAK := BOOLEAN(T); % MCP RETURNS 1 IF BREAK OCCURRED. 00012900
38 END; 00013000
39 %***** 00013100
40 REAL PROCEDURE INPCONV(X); REAL X; 00013200
41 %***** 00013210
42 BEGIN REAL SEQ; 00013220
43 REAL STREAM PROCEDURE INCONV(X); 00013230
44 BEGIN SI:=X; DI:=LOC INCONV; DS:=8DCT; END; 00013240
45 IF (SEQ:=ABS(INCONV(X))) GTR 99999999 THEN SEQ:=99999999; 00013250
46 INPCONV:=SEQ; 00013260
47 END PROCEDURE INPCONV; 00013300
48 %***** 00013400
49 STREAM PROCEDURE OUTCONV(A,N); VALUE N; 00013500
50 BEGIN SI:=LOC N; DI:=A; DS:=8DEC; END; 00013600
51 %***** 00013700
52 STREAM PROCEDURE MOVE(N,A,B); VALUE N; 00013800
53 BEGIN SI:=A; DI:=B; DS:=N WDS; END; 00013900
54 %***** 00014000
55 STREAM PROCEDURE MAKERR(ERR,N1,N2); VALUE N1,N2; 00014100
56 %***** 00014200
57 BEGIN LOCAL SV; 00014300

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DI:=ERR; DS:=15LIT"SEQUENCE ERROR:"; SV:=DI;          00014400
SI:=LOC N1; DS:=8 DEC; DI:=SV; DS:=7FILL;            00014500
DI:=SV; DI:=DI+8; DS:=2LIT" ";                      00014600
SV:=DI; SI:=LOC N2; DS:=8DEC; DI:=SV; DS:=7FILL;    00014700
END STREAM PROCEDURE MAKERR;                          00014800
%*****00014900
PROCEDURE ERROR(N1,N2); VALUE N1,N2; REAL N1,N2;     00015000
%*****00015100
BEGIN                                                00015200
  MAKERR(ERR,N1,N2); TXOUT(ERR[0],33,1);             00015300
END PROCEDURE ERROR;                                00015400
%*****00015500
A[0]:=0; DISKWAIT(1,A,30,COMMON); % GET ESP RECORD  00015600
USER := A[2];                                       00015700
OUTCONV(LINE,A[1],[40:8]); % DECIMAL LINE NUMBER    00015800
WRKFIL := A[9],[6:12] = "1S";                       00015900
IF MAKTAB := (WRKFIL AND A[1],[3:1] = 0) THEN % TAB FILE REQUIRED 00016000
FILL NEWTAB WITH " "&"1T"[6:36:12]&LINE[18:30:18],USER; 00016100
FILL SRCEFIL WITH A[3], A[4];                       00016200
FILL OUTFIL WITH A[9], USER; % OUTPUT FILE NAME    00016300
RESEQ := TRUE;                                       00016400
STRTRESEQ:=A[5]; % LOWER BOUND FOR RESEQUENCE      00016500
ENDRESEQ :=A[6]; % UPPER BOUND FOR RESEQUENCE     00016600
INCR :=A[8]; % RESEQUENCE INCREMENT               00016700
BASE :=A[7] - INCR; % RESEQ BASE                   00016800
READ SEEK(SRCEFIL[0]); PREVSEQ := NCT := -1;        00016900
SFLG := IF A[1],[6:1]=1 THEN A[1],[3:1]=0          00017000
ELSE HDR(SRCEFIL,4).[36:6] NEQ 8;                   00017100
%*****00017200
READSRCE:                                           00017300
%*****00017400
READ(SRCEFIL,10,B[*])[EOF];                         00017500
LREC := LREC + 1;                                    00017600
SRCESEQ := IF SFLG THEN INPCONV(B[9]) ELSE LREC;    00017700
OUTSEQ:=IF MAKTAB AND NOT SFLG THEN INPCONV(B[9]) ELSE SRCESEQ; 00017800
IF RESEQ THEN % RESEQUENCE THE FILE                00017900
IF OK OR SRCESEQ GEQ STRTRESEQ THEN                 00018000
IF RESEQ:=OK:=SRCESEQ LEQ ENDRESEQ THEN % RECORDS ARE IN RANGE 00018100
BEGIN                                                00018200
  OUTSEQ := BASE := BASE + INCR; % CALCULATE NEW SEQ. NUMBER 00018300
  OUTCONV(B[9],OUTSEQ); % MOVE NUMBER TO SEQUENCE FIELD 00018400
END;                                                00018500
IF OUTSEQ LEQ PREVSEQ THEN % OUT OF SEQUENCE        00018600
BEGIN                                                00018700
  IF NOT BRAAK THEN ERROR(PREVSEQ,OUTSEQ); % TELL THE USER 00018800
  OUTSEQ := PREVSEQ + 2; % ADJUST SEQUENCE NUMBER 00018900
  OUTCONV(B[9],OUTSEQ);                             00019000
END;                                                00019100
PREVSEQ := OUTSEQ;                                  00019200
IF MAKTAB THEN                                       00019300
BEGIN                                                00019400
  IF NPTR := NPTR + 1 GTR 29 THEN % SEGMENT IS FILLED 00019500
  BEGIN                                              00019600
    WRITE(NEWTAB,30,N[*]);                          00019700
    NPTR:=0;                                         00019800
  END;                                               00019900
  N[NPTR] := 0 & NCT[4:32:16] & OUTSEQ[21:21:27]; 00020000
END; % IF MAKTAB                                     00020100
WRITE(OUTFIL,10,B[*]);                              00020200
GO TO READSRCE;                                     00020300

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%....
EOF:
%....

1 IF MAKTAB THEN
2 BEGIN
3 IF NPTR:=NPTR+1 GTR 29 THEN
4 BEGIN
5 WRITE(NEWTAB,30,N[*]);
6 NPTR:=0;
7 END;
8 N[NPTR]:=100000000;;
9 WRITE(NEWTAB,30,N[*]);
10 READ(NEWTAB[0],30,N[*]);
11 N[0]:=NCT; % EOF POINTER
12 WRITE(NEWTAB[0],30,N[*]);
13 LOCK(NEWTAB,*);
14 END;
15 CLOSE(SRCEFIL); LOCK(OUTFIL,*);
16 END PROGRAM.
17 END;END. LAST CARD ON OCRDING TAPE
18 GETBUFFERS(BLEN,NBUFS,U,ALPHA);%

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00020500
00020600
00020700
00020800
00020900
00021000
00021100
00021200
00021300
00021400
00021500
00021600
00021700
00021800
00021900
00022000
00022100
00022200
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39244000

LABEL 000000000PRINTER00175100CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/RESEQ;END*

OBJECT /READ

Data Documents, Inc.

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