

SYMBOL/PUNCH

Data Documents, Inc.

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BEGIN REAL COMMON;
%.....PUNCH/CANDE PROGRAM. 4-71.....
COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE *
* FILE ID: SYMBOL/PUNCH TAPE ID: SYMBOL2/FILE000 $
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* AA320206 AA386657 *;
FILE SOURCE DISK SERIAL (2,0,0);
SAVE ARRAY A[0:9],B[0:11];
REAL AP,BP,HALFSIZ,SEQLOC,FINALB,NAME,USER,N;
BOOLEAN SFLG;
LABEL EOF;
%*****
PROCEDURE DISKWAIT(I,A,S,D); VALUE I,S,D; REAL I,S,D; ARRAY A[0];
COMMUNICATE(-8);
%*****
PROCEDURE TWXOUT(A,N,T); VALUE N,T; REAL A,N,T; COMMUNICATE(-11);
%*****
REAL STREAM PROCEDURE HDR(F,N); VALUE N;
%*****
BEGIN
SI:=F; 3(SI:=SI-8); DI:=LOC F; DS:=WDS;
SI:=F; 14(SI:=SI+8); DI:=LOC F; DS:=WDS;
SI:=F; N(SI:=SI+8); DI:=LOC HDR; DS:=WDS;
END STREAM PROCEDURE HDR;
%*****
REAL STREAM PROCEDURE ADDRESS(A);
BEGIN SI:=A; ADDRESS:=SI; END;
%*****
STREAM PROCEDURE LEADER(BP,NAME); VALUE BP,NAME;
%*****
% PRODUCES LEADER OF 9 RO, 7CHR. NAME, CR, LF, XUN, 40 RO.
% BP IS ADDRSS OF B[0]
BEGIN
DI:=BP; DS:=10LIT"000000000";
SI:=LOC NAME; SI:=SI+1; DS:=7CHR;
DS:=4LIT"*-1"; DS:=40LIT"0";
END STREAM PROCEDURE LEADER;
%*****
STREAM PROCEDURE TRAILER(BP); VALUE BP;
%*****
% PRODUCES 25 RUB QUTS FOR PAPER TAPE TRAILER
BEGIN DI:=BP; DS:=25LIT"0"; END;
%*****
STREAM PROCEDURE REFORMAT(AP,BP,SFLG,HALFSIZ,SEQLOC,FINALB);
%*****
VALUE AP,BP,SFLG,HALFSIZ,SEQLOC;
% ROUTINE REFORMATS RECORDS FOR PAPER TAPE OUTPUT
% SFLG IS TRUE IF AP SEQUENCED FILE
% AP IS ADDRESS OF A[0],BP IS ADDRESS OF B[0]
% SEQLOC IS ADDRESS OF SEQUENCE FIELD IN "A"
% FINALB IS ENDING ADDRESS OF OUTPUT CHARACTER STRING
BEGIN LOCAL N,DV; LABEL EXIT;
SI:=AP; DI:=BP; DS:=LIT"X"; BP:=DI;
SFLG(IF SC GEQ "0" THEN IF SC LEQ "9" THEN; IF TOGGLE THEN

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BEGIN % 1ST CHARACTER IS A DIGIT	00015100
SI:=SEQLOC; DS:=8CHR;	00015200
END	00015300
ELSE	00015400
BEGIN % 1ST CHARACTER NOT A DIGIT - SUPPRESS ZEROS	00015500
SI:=SEQLOC; DI:=LOC N; DS:=8CHR; DI:=LOC N; DS:=7FILL;	00015600
SI:=LOC N; DI:=BP; 8(IF SC=" " THEN SI:=SI+1 ELSE DS:=CHR);	00015700
END;	00015800
BP:=DI; SI:=AP); % END SFLG LOOP	00015900
2(HALFSIZ(IF SC="?" THEN DS:=NUM ELSE DS:=CHR));	00016000
DV:=DI; SI:=DV; DI:=BP; DI:=DI+1; BP:=DI;	00016010
2(HALFSIZ(SI:=SI-1; IF SC NEQ " " THEN	00016100
BEGIN SI:=SI+1; BP:=SI; JUMP OUT 2 TO EXIT; END));	00016200
EXIT:	00016300
DI:=BP; DS:=5LIT"*-10";	00016400
DV:=DI; SI:=LOC DV; DI:=FINALB; DS:=WDS;	00016500
END STREAM PROCEDURE REFORMAT;	00016600
%=====	00016700
A[0]:=B[0]:=0;	00016800
AP:=ADDRESS(A[0]); BP:=ADDRESS(B[0]); SEQLOC:=ADDRESS(AL9));	00016900
DISKWAIT(1,A[*],10,COMMON); % GET ESP SEGMENT	00017000
NAME:=A[3]; USER:=A[4];	00017100
FILL SOURCE WITH NAME,USER;	00017200
IF NAME.[6:12]="1S" THEN SFLG:=A[1].[3:1]=0 ELSE	00017300
BEGIN	00017400
READ SEEK(SOURCE[0]);	00017500
SFLG := HDR(SOURCE,4).[36:6] NEQ 8;	00017600
END;	00017700
HALFSIZ:=IF SFLG THEN 36 ELSE 40;	00017800
LEADER(BP,NAME); TWXOUT(B[0],61,-1);	00017900
DO BEGIN	00018000
READ(SOURCE,10,A[*])[EOF];	00018100
REFORMAT(AP,BP,SFLG,HALFSIZ,SEQLOC,FINALB);	00018200
N:= (N:=FINALB-BP).[30:3] & N[30:33:15]; % NUMBER OF CHARACTERS	00018300
TWXOUT(B[0],N,-1);	00018400
END UNTIL FALSE;	00018500
EOF:	00018600
TRAILER(BP); TWXOUT(B[0],25,-1);	00018700
END PROGRAM.	00018800
END;END. LAST CARD ON OCRDING TAPE	99999999
SCALESTOP + TRUE; % STOP SCALE OF LITERALS	80090700
PASSMAC;	80090800

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Data Documents/Inc.

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

OBJECT /READ

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