

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

OBJECT /READ

SYMBOL/LOGOUT

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% LOGOUT DISK MARK XV.3.00 02/07/74 00001000
COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE * 00001100
* FILE ID: SYMBOL/LOGOUT TAPE ID: SYMBOL2/FILE000 * 00001101
* THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION * 00001102
* AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED * 00001103
* EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON * 00001104
* WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF * 00001105
* BURROUGHS CORPORATION, DETROIT, MICHIGAN 48232 * 00001106
* * 00001107
* COPYRIGHT (C) 1971, 1972 BURROUGHS CORPORATION * 00001108
* AA320206 AA386657 *; 00001109
% LOGOUT DISK MARK XV.2.00 10/03/73 00001200
BEGIN 00002000
REAL LOGNAME; %CONTAINS NAME OF LOG 00002500
FORMAT PRINCIPAL (X10,A6," : ",3(A6,F9.4," MINUTES",A1,X2)), 00003000
FILEINFO(X16,2(X1,A1,A6),X1,A3,X1,A5,X1,A1," ",A3,X1,"PRN = ", 00004000
A5,X1,A3,X1,F8.2," #E = ",I4), 00004100
FILEINFO1(X16,2(X1,A1,A6),X1,A3,X1,A5,X1,A1," ",A3, 00004200
F8.2,X1," #E = ",I4), 00004300
ELAPSE(X15,"ELAPSED TIME IS: ",I4," HOURS, ",I2, 00005000
" MINUTES, ",F6.2," SECONDS."), 00005005
FILETOTALS(X5,A3," : TOT =",F12.2," #E =",I5), 00006000
PER(I4," JOBS RUNNING",F7.2,"% OF TIME."), 00006500
NAMEF(I7), 00006600
TIMETOTALS("TOTAL",A6,F12.2,""), 00007000
SWITCH FORMAT SYSTEM:=("SYSTEM A"),("SYSTEM B"), 00007100
("SYSTEM C"),("SYSTEM D"); 00007200
SWITCH FORMAT SYSTOL:=("TOTALS FOR SYSTEM A:"),("TOTALS FOR SYSTEM B:"), 00007300
("TOTALS FOR SYSTEM C:"),("TOTALS FOR SYSTEM D:"); 00007350
LABEL ROSE,EXIT,BACK; 00008000
ARRAY TOTAL[0:3,0:4],FRUNT[0:18],UNITOTAL[0:3,0:33]; 00009000
ARRAY A[0:9],UNIT[0:33],L[0:17]; 00009050
REAL SYSNO; 00009100
ARRAY TOUR [0:16]; 00009200
INTEGER ARRAY OUR[0:10]; 00009300
ARRAY ELAPTIME[0:3]; 00009400
ARRAY S[0:1022],ERROR[0:3,0:33]; 00009500
ARRAY D[0:14]; 00009600
LABEL DISKLOG; 00009700
INTEGER HRS,MIN,SEC; 00009800
FILE SPO 11(1,10); 00009900
FILE LOG DISK"SYSTEM" "LOG" (1,5,30); 00010000
FILE OUT LOGOUT 1 (4,15); 00011000
REAL TYPE,I,N,B,CQUNT,PREV,J,SM,T; 00012000
REAL X,Y,W; 00012100
LABEL FOUND1,FOUND2; 00013000
STREAM PROCEDURE SUPERMOVE(N,S,D); VALUE N; 00015000
BEGIN LOCAL SN; 00016000
DI ← LCC SN; DI ← DI+7; SI ← LOC N; SI ← SI+6; DS ← CHR; 00017000
DI ← D; SI ← S; 00018000
DS ← N WDS; SN(DS ← 32 WDS; DS ← 32 WDS); 00019000
END; 00020000
STREAM PROCEDURE MOVE(N,A,B); VALUE N; 00036000
BEGIN SI ← A; DI ← B; DS ← N WDS END; 00037000
STREAM PROCEDURE CLEAR(A); 00038000
BEGIN DI ← A; SI ← A; DS ← 8 LIT " "; DS ← 14 WDS END; 00039000
STREAM PROCEDURE DATE(A,B); 00039100
BEGIN 00039200
SI←A;DI←B;SI←SI+3;DS←2 OCT;DS←3 OCT;SI←SI+11;DS←2 OCT;DS←3 OCT; 00039300
END; 00039400

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INTEGER PROCEDURE NROFDAYS;
%DETERMINES ELAPSED DAYS BETWEEN 2 DATES ALLOWING FOR CHANGE OF YEAR
BEGIN
DEFINE S=OUR[4]#,F=OUR[9]#;% START&FINISH DATES RESPECTIVELY (BCL)
INTEGER SYR,FYR;% START&FINISH YEARS
INTEGER SDAYS,FDAYS;%NR OF LINEAR DAYS IN START & FINISH DATES
SYR:=S.[18:6]x10+S.[24:6];
FYR:=F.[18:6]x10+F.[24:6];
SDAYS=S.[30:6] x 100 + S.[36:6] x 10 + S.[42:6];
FDAYS:=F.[30:6]x100+F.[36:6]x10+F.[42:6];
NROFDAYS:=FDAYS-SDAYS +REAL(SYR LSS FYR)x(365+REAL(SYR MOD 4 = 0));
END;

STREAM PROCEDURE BUST(L,A,C,PRN);
VALUE C,PRN;
BEGIN LOCAL T;
SI:=L; DI:=L;
DS + 8 LIT "0"; DS + 14 WDS;
SI + A; DI + L;
2(SI + SI+1; DI + DI+7; DS + CHR;
DI + DI+2; DS + 6 CHR);
DI + DI+5; DS + 3 CHR;
DI + DI+3; DS + 5 CHR;
T:=SI; SI:=LOC C; DS:=DEC;DS:=5 DEC; DI:=DI+2;
SI:=T;
SI + SI+4; DI + DI+6; DS + 2 CHR;
DI + DI+7; DS + CHR;
END;

STREAM PROCEDURE FIX(A,B);
BEGIN
LOCAL T; SI+A;DI+B;
SI+SI+56;DS+8 DEC;T+DI;DI+DI-8;DS+7 FILL;DI+T;
DS+23 LIT" DISK SEGMENTS USED BY ";
SI+A;SI+SI+1;DS+7 CHR;2(DS+LIT"/";SI+SI+1;DS+7 CHR);
DS+5 LIT" FOR ";SI+SI+40;DS+4 DEC;T+DI;DI+DI-4;DS+3 FILL;
DI+T;DS+7 LIT" HOURS,";DS+3 DEC;T+DI;DI+DI-3;DS+2 FILL;
DI+T;DS+9 LIT" MINUTES,";DS+3 DEC;T+DI;DI+DI-3;DS+2 FILL;
DI+T;DS+8 LIT" SECONDS";
END;

STREAM PROCEDURE TIME(A,B,X,Y);
VALUE X,Y;
BEGIN
LOCAL T,V;
SI:=A; DI:=B; DS:=13 LIT " ";
DS:=13 LIT" STARTED AT "; DS:=2 DEC;
DS:=2 DEC; DS:=LIT " "; DS:=2 DEC; DS:=LIT " ";
DS:=2 DEC; DS:=3 LIT" "; DS:=4 LIT"ON "; SI:=SI+3;
DS:=5 CHR; DS:=14 LIT" STOPPED AT "; DS:=2 DEC; DS:=2 DEC;
DS:=LIT " "; DS:=2 DEC; DS:=LIT " "; DS:=2 DEC;
DS:=6 LIT" ON "; T:=SI; V:=DI; SI:=LOC X;
SI:=SI+3; DS:=5 CHR; SI := T; SI:=SI+8; DS:=3 LIT" ";
SI:=SI+2; DS:=6 CHR; DS:=2 LIT" ";
DS:=8 LIT" USER = "; SI:=LOC Y; SI:=SI+1; DS:=7 CHR;
END; %TIME%
PROCEDURE READIT;
BEGIN
READ(LOG[B],5,A[*]);
B:=B+1;
END;
PROCEDURE OPRTRCOMMENT;
BEGIN

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|----|---|----------|
| | STREAM PROCEDURE UC(A,B,X); | 00053500 |
| | VALUE B; | 00053750 |
| | BEGIN | 00054000 |
| 1 | SI:=A; DI:=X; DI:=DI+10; | 00054250 |
| 2 | DS:=29 LIT"OPERATOR COMMENT: ENTERED AT "; | 00054500 |
| 3 | DS:=2 DEC; DS:=2 DEC; 2(DS:=LIT"; DS:=2 DEC); | 00054750 |
| 4 | DS:=4 LIT" ON "; SI:=LUC B; SI:=SI+3; DS:=5 CHR; | 00055000 |
| 5 | END; | 00055250 |
| 6 | SYSNO:=A[0].[1:2]; | 00055500 |
| 7 | WRITE(LOGOUT[DBL]); WRITE(LUGOUT[DBL]); | 00055750 |
| 8 | WRITE(LOGOUT[DBL],SYSTEM[SYSNO]); | 00056000 |
| 9 | OUR[0]:=A[1] DIV 216000; | 00056250 |
| 10 | OUR[1]:=(A[1] DIV 3600) MOD 60; | 00056500 |
| 11 | OUR[2]:=(A[1] DIV 60) MOD 60; | 00056750 |
| 12 | CLEAR(L); | 00057000 |
| 13 | OC(OUR[0],A[2],L[*]); | 00057250 |
| 14 | I:=A[3]; | 00057500 |
| 15 | FOR N:=0 STEP 5 UNTIL I DO | 00057750 |
| 16 | BEGIN IF N MOD 10 = 0 THEN | 00058000 |
| 17 | BEGIN WRITE(LOGOUT[DBL],17,L[*]); | 00058250 |
| 18 | CLEAR(L); | 00058500 |
| 19 | END; | 00058750 |
| 20 | READIT; | 00059000 |
| 21 | MOVE(5,A[0],L[(N MOD 10) + 2]); | 00059250 |
| 22 | END; | 00059500 |
| 23 | WRITE(LOGOUT[DBL],17,L[*]); | 00059750 |
| 24 | END; | 00060000 |
| 25 | STREAM PROCEDURE CHANGENAME(A); | 00060100 |
| 26 | BEGIN SI:=A;DI:=A;DI:=DI+1;DS:=7 DEC END; | 00060200 |
| 27 | IF LOGNAME=0 THEN READ(SPU,NAMEF,LOGNAME); | 00060300 |
| 28 | CHANGENAME(LOGNAME); | 00060400 |
| 29 | FILL LOG WITH LOGNAME,"SYSLOG "; | 00060500 |
| 30 | FILL FRONT[*] WITH | 00061000 |
| 31 | "OBJECT"," ALGOL"," COBOL", | 00062000 |
| 32 | " PST =", " IUT =", " PTT =", | 00063000 |
| 33 | "","","",""; | 00064000 |
| 34 | "EOJ " ,"SYN ER","DS-ED " ,"ABORT " ,"BACKUP","FORTRN", | 00064500 |
| 35 | "XALGOL","BASIC " ,"TSPUL " ,"CCBL68"; | 00064600 |
| 36 | FILL UNIT[*] WITH 0, | 00065000 |
| 37 | "MTA","MTB","MTC", | 00066000 |
| 38 | "MTD","MTE","MTF", | 00067000 |
| 39 | "MTH","MTJ","MTK", | 00068000 |
| 40 | "MTL","MTM","MTN", | 00069000 |
| 41 | "MTP","MTR","MTS", | 00070000 |
| 42 | "MTT","DRA","DRB", | 00071000 |
| 43 | "DKA","DKB","LPA", | 00072000 |
| 44 | "LPB","CPA","CRA", | 00073000 |
| 45 | "CRB","SPD","RPA", | 00074000 |
| 46 | "PRA","PPB","PRB", | 00074100 |
| 47 | "DCA", | 00074200 |
| 48 | 0; | 00075000 |
| 49 | CLEAR(TOUR); | 00075100 |
| 50 | SM ← 1021; S[SM]←0; S[SM+1]←999999999999; | 00076000 |
| 51 | B ← 1; | 00077000 |
| 52 | ROSE: READIT; | 00079000 |
| 53 | IF (TYPE := ABS(A[0]))=3 THEN | 00080000 |
| 54 | BEGIN WRITE(LOGOUT[DBL]),WRITE(LOGOUT[DBL]); | 00081000 |
| 55 | SYSNO := A[0].[1:2]; | 00081050 |
| 56 | CLEAR(L); | 00081100 |
| 57 | MOVE(4,A[1],L[0]); | 00082000 |

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|----|---|----------|
| 1 | READIT; | 00063000 |
| 2 | MOVE(5,A[0],L[4]); | 00084000 |
| 3 | WRITE(LOGOUT[DBL],SYSTEM[SYSNO]); | 00084500 |
| 4 | WRITE(LOGOUT[DBL],15,L[*]); | 00085000 |
| 5 | GO TO ROSE; | 00086000 |
| 6 | END; | 00087000 |
| 7 | IF TYPE=99 THEN | 00087100 |
| 8 | BEGIN OPTRCOMMENT; | 00087200 |
| 9 | GO TO ROSE; | 00087300 |
| 10 | END; | 00087400 |
| 11 | IF TYPE = 4 THEN GO TO EXIT; | 00088000 |
| 12 | IF (TYPE+A[0])=5 THEN TYPE+13 ELSE | 00089000 |
| 13 | IF TYPE=6 THEN TYPE+14 ELSE | 00089100 |
| 14 | IF TYPE=7 THEN TYPE:=16 ELSE | 00089200 |
| 15 | IF TYPE=8 THEN GO TO DISKLOG ELSE | 00089300 |
| 16 | IF TYPE=9 THEN TYPE:=15 ELSE | 00089400 |
| 17 | IF TYPE=10 THEN TYPE:=17 ELSE | 00089500 |
| 18 | IF TYPE=11 THEN TYPE:=18; | 00089600 |
| 19 | FOR I ← 2 STEP 1 UNTIL 4 DO | 00090000 |
| 20 | BEGIN TOTAL[SYSNO,I]:=A[I]+TOTAL[SYSNO,I]; | 00091000 |
| 21 | A[I] := A[I] / 3600; | 00092000 |
| 22 | END; | 00093000 |
| 23 | WRITE(LOGOUT[DBL],PRINCIPAL,FRONT[TYPE], | 00094000 |
| 24 | FOR I ← 0 STEP 1 UNTIL 2 DO | 00095000 |
| 25 | [FRONT[I+3],A[I+2],FRONT[I+6]]); | 00096000 |
| 26 | N ← A[1]; | 00097000 |
| 27 | READIT; | 00097100 |
| 28 | OUR[0]:= A[1] DIV 216000; | 00097400 |
| 29 | OUR[1]:=(A[1] DIV 3600) MOD 60; | 00097410 |
| 30 | OUR[2]:=A[1] DIV 60 MOD 60; | 00097430 |
| 31 | OUR[3]:=A[1]MOD 60; | 00097432 |
| 32 | OUR[4]:=A[0]; | 00097440 |
| 33 | OUR[5]:= A[2] DIV 216000; | 00097450 |
| 34 | OUR[6]:=(A[2] DIV 3600)MOD 60; | 00097460 |
| 35 | OUR[7]:=A[2] DIV 60 MOD 60; | 00097470 |
| 36 | OUR[8]:= A[2] MOD 60; | 00097480 |
| 37 | OUR[9]:=A[3],[1:30]; | 00097490 |
| 38 | OUR[10]:=FRONT[A[3],[46:2]+9]; | 00097500 |
| 39 | TIME(OUR[0],TOUR[0],A[3],[1:30],A[4]); | 00097520 |
| 40 | WRITE(LOGOUT[DBL],17,TOUR[*]); | 00097630 |
| 41 | IF ELAPTIME[3]:=(OUR[8]-OUR[3]) LSS 0 THEN | 00097650 |
| 42 | BEGIN | 00097652 |
| 43 | ELAPTIME[3]:=ELAPTIME[3]+60; | 00097654 |
| 44 | OUR[7]:=OUR[7]-1; | 00097656 |
| 45 | END; | 00097658 |
| 46 | IF ELAPTIME[2]:=(OUR[7]-OUR[2]) LSS 0 THEN | 00097660 |
| 47 | BEGIN | 00097662 |
| 48 | ELAPTIME[2]:=ELAPTIME[2]+60; | 00097664 |
| 49 | OUR[6]:=OUR[6]-1; | 00097710 |
| 50 | END; | 00097720 |
| 51 | IF ELAPTIME[1]:=(OUR[6]-OUR[1]) LSS 0 THEN | 00097722 |
| 52 | BEGIN | 00097724 |
| 53 | ELAPTIME[1]:=ELAPTIME[1]+60; | 00097726 |
| 54 | OUR[5]:=OUR[5]-1; | 00097728 |
| 55 | END; | 00097730 |
| 56 | IF OUR[4] LSS OUR[9] THEN OUR[5]:=OUR[5]+24*NRUFDAYS; | 00097732 |
| 57 | ELAPTIME[0]:=OUR[5]-OUR[0]; | 00097734 |
| | ELAPTIME[2]:=ELAPTIME[2]+ELAPTIME[3]/60; | 00097736 |
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| | | 00097740 |

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WRITE(LOGOUT[DBL],ELAPSE, FOR I:=0 STEP 1 UNTIL 2 DO      00097742
  ELAPTIME[I]);                                          00097744
IF A[3].[46:2]=3 THEN IF N=1 THEN                        00097750
  BEGIN READIT; GO TO ROSE END;                          00097760
FOR J + 1 STEP 1 UNTIL N DO                              00098000
  BEGIN READIT;                                          00099000
    BUST(L,A,A[3].[1:5],A[3].[6:17]);                    00100000
    IF TYPE := L[8] ≠ 0 THEN                              00101000
      BEGIN                                              00102000
        UNITOTAL[SYSNO,TYPE]:=UNITOTAL[SYSNO,TYPE]+A[4]; 00103000
        A[4]:=A[4]/60;                                    00104000
        ERROR[SYSNO,TYPE]:=ERROR[SYSNO,TYPE]+L[7];      00104500
        W:=L[6].[6:30];                                   00104975
        X:=L[6].[1:5];                                    00104980
        IF TYPE LEQ 16 THEN                               00105000
          WRITE(LOGOUT[DBL],FILEINFO,                    00105200
            FOR I:=0 STEP 1 UNTIL 5 DO                    00105400
              L[I],X,UNIT[TYPE],W,Y,A[4],L[7]);           00105600
          ELSE                                             00105800
            WRITE(LOGOUT[DBL],FILEINFO1,                  00106000
              FOR I:=0 STEP 1 UNTIL 5 DO                  00106200
                L[I],X,UNIT[TYPE],A[4],L[7]);             00106400
              END;                                         00108000
          END;                                             00109000
        GO TO ROSE;                                       00110000
DISKLOG: WRITE(LOGOUT[DBL]);WRITE(LOGOUT[DBL]);CLEAR(D); 00110100
          SYSNO := A[0].[1:2];                             00110125
MOVE(4,A[1],L[0]);                                       00110150
READIT;                                                  00110200
MOVE(5,A[0],L[4]);                                       00110250
DATE(L[3],D[0]);                                         00110300
IF L[6] LSS L[4] THEN                                    00110310
  BEGIN                                                  00110315
    D[3]:=D[3]-1;                                        00110320
    L[6]:=L[6]+5184000;                                  00110330
  END;                                                    00110340
HRS+(((D[2]-D[0])×365)-D[1]+D[3])×24+(SEC+(L[6]-L[4]) DIV 60) 00110350
  DIV 3600;                                              00110400
MIN+(SEC MOD 3600) DIV 60;                               00110450
SEC+SEC MOD 60;                                         00110500
L[8]:= HRS;L[9]:=MIN;L[10]:=SEC;                        00110540
FIX(L[0],D[0]);                                         00110550
WRITE(LOGOUT[DBL],SYSTEM[SYSNO]);                        00110560
WRITE(LOGOUT,15,D[*]);                                   00110600
GO TO ROSE;                                             00110650
EXIT: FOR SYSNO := 0 STEP 1 UNTIL 3 DO IF TOTAL [SYSNO,2] ≠ 0 THEN 00110700
  BEGIN                                                 00111100
    WRITE(LOGOUT[PAGE]);                                  00111102
    WRITE(LOGOUT[DBL],SYSTOL[SYSNO]);                     00112000
    FOR TYPE + 1 STEP 1 UNTIL 32 DO                       00113000
      IF UNITOTAL[SYSNO,TYPE] ≠ 0 THEN                   00114000
        WRITE(LOGOUT[DBL],FILETOTALS,UNIT[TYPE],        00115000
          UNITOTAL[SYSNO,TYPE]/60,ERROR[SYSNO,TYPE]);    00116000
        WRITE(LOGOUT[DBL],TIMETOTALS,                    00117000
          FOR I + 0 STEP 1 UNTIL 2 DO                     00118000
            [FRONT[I+3],TOTAL[SYSNO,I+2]/60]);           00119000
          END;                                             00119100
    END.                                                  00139000
END;END. LAST CARD ON OCRDING TAPE                       99999999
IF T.[26:4] ≠ 0 THEN                                    01740000

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LABEL 000000000PRINTEK00175100CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/LOGOUT;END+

OBJECT /READ

Data Documents Inc.

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