LABEL 000000000PRINTER00175100CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/UPDATE←←0000000 OBJECT /READ

SYMBOL/UPDATE

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COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE                    *     00000010
         * FILE ID: SYMBOL/UPDATE TAPE ID: SYMBOL2/FILE000               *     00000011
         * THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION         *     00000012
         * AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED               *     00000013
         * EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON             *     00000014
         * WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF               *     00000015
         * BURROUGHS CORPORATION, DETROIT, MICHIGAN 48232                *     00000016
         *                                                               *     00000017
         * COPYRIGHT (C) 1971 , 1972 BURROUGHS CORPORATION               *     00000018
         *  AA320206   AA386657                                          *;    00000019
BEGIN                                                                          00001000
      INTEGER RECSZE; % NUMBER OF WORDS PER RECORD                             00001100
IF RECSZE ≠6 AND RECSZE ≠10 AND RECSZE ≠15 THEN RECSZE:=30;                    00001110
BEGIN                                                                          00001120
      FILE CODES (2,10,30),                                                   00001200
          INITIAL DISK SERIAL[20:2  ] "REMOTE" "USERS"                        00001300
              (2,RECSZE  ,30,SAVE 999);                                       00001400
       REAL                                                                   00001500
         ARRAY TYPE,MASK,MASKOUT[0:10]          ,                            00001600
           CODE,TEMP[0:29];                                                   00001700
      SAVE                                                                    00001800
      ARRAY READIN[0:10];                                                     00001900
      INTEGER ADDR,I,                                                         00002000
              RECOUNT;                                                        00002100
          REAL C,C1;                                                          00002200
%                                                                             00002300
      BOOLEAN CREATOG,                                                        00002400
              ADDTOG,                                                         00002500
              RJEADDTOG,                                                      00002550
              DELETOG,                                                        00002600
              RJEDELTOG,                                                      00002650
              MASKTOG,                                                        00002700
              ENDTOG;                                                         00002800
       DEFINE B=BOOLEAN#;                                                     00002900
BOOLEAN PROCEDURE DIRECTORYSEARCH ;                                            00003000
       BEGIN  ARRAY SCH[0:6];                                                  00003100
              LABEL EXIT;                                                     00003200
              SEARCH(INITIAL,SCH[*]);                                         00003300
              IF SCH[0]<0 THEN GO TO EXIT;                                    00003400
              RECSZE:= SCH[3];                                                00003500
              DIRECTORYSEARCH:=TRUE;                                          00003600
       EXIT: END DIRECTORYSEARCH;                                             00003700
STREAM PROCEDURE BINARY(SOURCE,DEST,WORDS),                                    00004900
VALUE WORDS;                                                                   00005000
BEGIN SI:=SOURCE; DI:=DEST;                                                    00005100
          SI:=SI+1; DS:=RESET;                                                 00005200
     47(IF SC="1" THEN DS:=SET ELSE DS:=RESET;SI:=SI+1) ;                      00005300
   WORDS( SI:=SI+1; DS:=RESET;                                                 00005400
     24(IF SC="1" THEN DS:=SET ELSE DS:=RESET;SI:=SI+1);                       00005500
     DS:= 23 RESET);                                                           00005600
END OF BINARY;                                                                 00005700
INTEGER STREAM PROCEDURE NAME(A,ADDR);                                         00005800
      VALUE ADDR;                                                              00005900
      BEGIN LABEL L,LA,EXIT;                                                   00006000
          LABEL LB;                                                            00006100
          DI:=A; DS:=8 LIT "0       "; DI:=DI-7; SI:=ADDR;                     00006200
    L:    IF SC=" " THEN BEGIN SI:=SI+1; GO TO L END;                          00006300
          IF SC= ALPHA THEN                                                    00006400
          BEGIN 7(DS:=CHR; IF SC=ALPHA THEN GO TO LA;                          00006500
                JUMP OUT TO EXIT;                                              00006600
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        LA:             );                                                      00006700
        LB:           IF SC= ALPHA THEN BEGIN SI:=SI+1;GO TO LB END;            00006800
                      GO TO EXIT;                                               00006900
              END;                                                              00007000
              IF SC="←" THEN                                                    00007100
              BEGIN DS:=CHR; SI:=SI-1; GO TO EXIT END;                          00007200
              DS:=CHR;                                                          00007300
        EXIT: NAME:= SI;                                                        00007400
  END OF NAME;                                                                  00007500
  INTEGER STREAM PROCEDURE MKABS(ADDR);                                         00007600
  BEGIN SI:=ADDR;MKABS:=SI;9(SI:=SI+8);8(IF SC=" " THEN SI:=SI+1 ELSE           00007700
        BEGIN MKABS:=SI; JUMP OUT END);                                         00007800
  END OF MKABS;                                                                 00007900
  STREAM PROCEDURE MOVE(W,S,D); VALUE W;                                        00008000
  BEGIN SI:=S; DI:=D; W(DS:=WDS) END OF MOVE;                                   00008100
  PROCEDURE ENTERUSERID;                                                        00008200
  BEGIN INTEGER I;                                                              00008300
        ADDR:= NAME(C,ADDR);                                                    00008400
        IF C≠"←       " THEN ADDR:=NAME(C,ADDR);                                00008500
        CODE[0] := C1;                                                          00008600
        FOR I:= 1 STEP 1 UNTIL 5 DO CODE[I]:=MASK[I],                           00008700
        CODE[6]:= IF RECSIZE>6 AND C≠"←       " THEN -C ELSE 0;                 00008800
        RECOUNT := IF CODE[6] < 0 THEN 7 ELSE 6;                                00008900
  END OF ENTERUSERID;                                                           00009000
  PROCEDURE ENTERUSERPORTION;                                                   00009100
  BEGIN INTEGER T,WORDS;                                                        00009200
        STREAM PROCEDURE RESET(S);BEGIN DI:=S;DS:=ZRESET END OF RESET;          00009300
        WORDS:= IF (T:=RECSIZE-RECOUNT)≤0 THEN 0 ELSE                           00009400
                IF T≥9 THEN 9 ELSE T;                                           00009500
        IF RECOUNT=6 THEN RESET(READIN);                                        00009600
        IF RECOUNT≤ 29 THEN                                                     00009700
        MOVE(WORDS,READIN,CODE[RECOUNT]);                                       00009800
        RECOUNT := RECOUNT + WORDS;                                             00009900
  END OF ENTERUSERPORTION;                                                      00010000
              IF RECSIZE=0 THEN RECSIZE := 6;                                   00010100
     IF NOT DIRECTORYSEARCH THEN                                                00010200
        BEGIN                                                                   00010202
        CODE[0]:=76; WRITE(INITIAL,RECSIZE,CODE[*]);                            00010204
        LOCK(INITIAL,SAVE);                                                     00010206
        END;                                  PSEUDO                            00010208
              BEGIN FILE % PSUEDO BLOCK                                         00010300
              USER DISK "REMOTE" "USERS" (2,RECSIZE  ,30);                      00010400
           LABEL EOF;                                                           00010500
  PROCEDURE DELETER(A,B,C);VALUE A,B,C; REAL A,B,C; FORWARD;                    00010600
  PROCEDURE ENTERUSERECORD;                                                     00010700
  BEGIN LABEL AROUND,ENDFILE,RITE,EXIT;                                         00010800
        BOOLEAN TOG;                                                            00010900
        REAL REC,T;                                                             00011000
  STREAM PROCEDURE BLANK(S,W); VALUE W;                                         00011100
  BEGIN DI:=S; W(DS:=8 LIT "0") END OF BLANK;                                   00011200
        FOR T:=1 STEP 1 UNTIL 5 DO                                              00011300
           CODE[T]:= REAL(B(CODE[T]) AND B(MASKOUT[T]));                        00011400
        REC:= -1;                                                               00011500
        IF ((T:=CODE[0])=12 OR(T=76)) THEN GO TO EXIT;                          00011600
                                                                                00011700
                                                                                00011800
                                                                                00011900
           WHILE TRUE DO                                                        00012000
           BEGIN READ(USER[REC:=REC+1],RECSIZE,TEMP[*]);                        00012100
                                                                                00012200
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                IF (T:=TEMP[0])=76 THEN GO TO ENDFILE;                    00012300
                IF T=12 THEN BEGIN TOG:=TRUE ; GO TO RITE END;            00012400
                IF T=CODE[0] THEN                                         00012500
                IF ((T:=CODE[6])≥0) AND (TEMP[6]≥0) THEN                  00012600
AROUND:         BEGIN TOG:=FALSE;GO TO RITE END ELSE                      00012700
                IF T=TEMP[6] THEN GO TO AROUND;                           00012800
          END;                                                            00012900
ENDFILE:  WRITE(USER[REC],RECSZE,CODE[*]);                                00013000
          CODE[0]:=76; REC:=REC+1;                                        00013100
RITE:     WRITE(USER[REC],RECSZE,CODE[*]);                                00013200
          IF TOG THEN DELETER(CODE[0],CODE[6],REC);                       00013300
EXIT:     BLANK(CODE[6],24);                                              00013400
END OF ENTERUSERECORD;                                                    00013500
PROCEDURE DELETER(A,B,C);VALUE A,B,C; REAL A,B,C;                         00013600
BEGIN REAL T; LABEL EXIT,RITE;                                            00013700
      WHILE TRUE DO                                                       00013800
      BEGIN READ(USER[C:=C+1],RECSZE,TEMP[*]);                            00013900
            IF (T:=TEMP[0] )=76 THEN GO TO EXIT;                          00014000
            IF T=A THEN                                                   00014100
            IF B=0 THEN                                                   00014200
RITE:       BEGIN A:=12; WRITE(USER[C],*,A) END ELSE                      00014300
            IF B=TEMP[6] THEN GO TO RITE;                                 00014400
      END;                                                                00014500
EXIT:                                                                     00014600
END OF DELTER;                                                            00014700
PROCEDURE SETOGGLE;                                                       00014800
BEGIN DEFINE IS = := C = #;                                               00014900
      ADDTOG IS "ADD    ";                                                00015000
      RJEADDTOG IS "RJEADD ";                                             00015050
      DELETOG IS "DELETE ";                                               00015100
      RJEDELTOG IS "RJEDEL ";                                             00015150
      ENDTOG  IS "END    ";                                               00015200
END OF SETOGGLE;                                                          00015300
STREAM PROCEDURE CONV(A,B); VALUE A;                                      00015302
BEGIN SI:=LOC A; SI:=SI+2; TALLY:=1;                                      00015304
    IF SC ≠ " " THEN TALLY:=2;                                            00015306
    SI:=SI-1; DI:=B; B:=TALLY; DS:=8 OCT;                                 00015308
END CONV;                                                                 00015310
PROCEDURE RJETUBUID;                                                      00015312
BEGIN REAL REC,I,STA; BOOLEAN MOVETOG;                                    00015314
    LABEL LOOP,FND,RITEIT,USEIT;                                          00015316
    ADDR:=NAME(C,ADDR);                                                   00015318
    ADDR:=NAME(C,ADDR);                                                   00015320
    CONV(C1,STA);                                                         00015322
    CONV(C,C1);                                                           00015324
    STA:=0&STA[9:44:4]&C1[14:44:4];                                       00015326
LOOP:                                                                     00015328
    READ(USER[REC:=REC+1],RECSZE,TEMP[*]);                                00015330
    IF RJEADDTOG THEN                                                     00015332
    BEGIN IF TEMP[0]=76 THEN WRITE(USER[REC+1],RECSZE,TEMP[*]) ELSE       00015334
        IF (MOVETOG:=TEMP[0]≠140) THEN MOVE(RECSZE,TEMP[0],CODE[0])       00015336
        ELSE                                                              00015338
        BEGIN FOR I:=1 STEP 1 UNTIL RECSZE-1 DO                           00015340
            IF TEMP[I]=STA THEN GO TO FND;                                00015342
            FOR I:=1 STEP 1 UNTIL RECSZE-1 DO                             00015344
            IF TEMP[I] LEQ 1 THEN GO TO USEIT;                            00015346
            GO TO LOOP;                                                   00015348
USEIT:      TEMP[I]:=STA; GO TO RITEIT;                                   00015350
        END;                                                              00015352
        FOR I:=2 STEP 1 UNTIL RECSZE-1 DO TEMP[I]:=0;                     00015354
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            TEMP[1]:=STA; TEMP[0]:=140;                                    00015356
RITEIT:                                                                    00015358
            WRITE(USER[REC],RECSZE,TEMP[*]);                               00015360
            IF MOVETOG THEN ENTERUSERECORD;                                00015362
        END ELSE                                                           00015364
        IF TEMP[0]=140 THEN                                                00015366
        BEGIN FOR I:=1 STEP 1 UNTIL RECSZE-1 DO                            00015368
            IF TEMP[I]=0 THEN GO TO FND ELSE                               00015370
            IF TEMP[I]=STA THEN                                            00015372
            BEGIN TEMP[I]:=1; GO TO RITEIT; END;                           00015374
            GO TO LOOP;                                                    00015376
        END;                                                               00015378
FND:                                                                       00015380
END RJETUBUID;                                                             00015382
                FILL TYPE[*] WITH 0,                                       00015400
                    "CCMASK ",                                             00015500
                    "CCMASK ",                                             00015600
                    "KEYIN0 ",                                             00015700
                    "KEYIN1 ",                                             00015800
                    "KEYIN2 ";                                             00015810
                                                                           00015820
                FILL MASK[*] WITH 0,                                       00015900
                    3"0000000001600440", % CCMASK1                         00016000
                    3"1100613044123776", % CCMASK2                         00016100
                    3"0042000010200000", % KEYIN0                          00016200
                    3"3770013600200000", % KEYIN1                          00016300
                    3"0300760400000000"; % KEYIN2                          00016310
                FILL MASKOUT[*] WITH 0,                                    00016400
                    3"3777777777777777",                                   00016500
                    3"3777777777777777",                                   00016600
                    3"3777777777777777",                                   00016700
                    3"3777777777777777",                                   00016800
                    3"3777777777777777";                                   00016900
%%%%%%%%%START OF OUTER BLOCK STATEMENTS%%%%%%%%%                           00017000
            READIN[10]:= MASKOUT[5];                                       00017100
            WHILE TRUE DO                                                  00017200
            BEGIN READ(CODES,10,READIN[*])[EOF];                           00017300
                ADDR := MKABS(READIN);                                     00017400
                ADDR := NAME(C,ADDR);                                      00017500
                ADDR := NAME(C1,ADDR);                                     00017600
                IF (C="ADD     " OR C="DELETE " OR C="END     " OR        00017700
                    C="RJEADD " OR C="RJEDEL ") THEN                       00017750
                BEGIN IF ADDTOG THEN ENTERUSERECORD;                       00017800
                    SETOGGLE;                                              00017900
                    IF RJEADDTOG OR RJEDELTOG THEN RJETUBUID;              00017950
                    IF DELETOG OR ADDTOG THEN ENTERUSERID;                 00018000
                    IF DELETOG THEN DELETER(CODE[0],CODE[6],-1);           00018100
                    IF ENDTOG THEN GO TO EOF;                              00018200
                END ELSE                                                   00018300
                BEGIN FOR I:=1 STEP 1 UNTIL 5 DO                           00018400
                 IF (MASKTOG := C=TYPE[I]) THEN                            00018500
                    BEGIN                                                  00018600
                    BINARY(READIN,CODE[I],(IF I<3 THEN 1 ELSE 0));         00018700
                    I:=6;                                                  00018800
                END;                                                       00018900
                IF NOT MASKTOG THEN ENTERUSERPORTION;                      00019000
                END;                                                       00019100
            END;                                                           00019200
EOF:                                                                       00019300
                                                                           00019400
```

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                    END PSLEDU BLOCK;                              00019500
                                                                   00019600
                                                                   00019700
      END;                                                         00019710
      END.                                                         00019800
      END;END.            LAST CARD ON OCRDING TAPE                99999999
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LABEL 000000000PRINTER00175100CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/UPDATE←←0000000 OBJECT /READ