

LABEL 000000000PRINTEK00175101CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/GUARD;END\*

OBJECT /READ

SYMBOL/GUARD

Data Documents/Inc.

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1	COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE	* 00000010
2	* FILE ID: SYMBOL/GUARD TAPE ID: SYMBOL2/FILE000	*; 00000011
3	* THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION	* 00000012
4	* AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED	* 00000013
5	* EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON	* 00000014
6	* WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF	* 00000015
7	* BURROUGHS CORPORATION, DETROIT, MICHIGAN 48232	* 00000016
8	* COPYRIGHT (C) 1971, 1972 BURROUGHS CORPORATION	* 00000017
9	* AA320206 AA386657	*; 00000018
10	BEGIN REAL COMMON;	00000019
11	ALPHA FILENAME, USERNAME;	00000100
12	REAL I, J, K, T, X, P;	00000200
13	SAVE ARRAY A[0:30], B[0:30];	00000300
14	LABEL ANOTHER, AR, QUIT;	00000400
15	FILE TWX 14(2,10);	00000500
16	DEFINE MARK="+";	00000600
17	REAL STP;	00000700
18	ALPHA ARRAY STUCK[0:63,0:31];	00000800
19	REAL JUNK;	00000900
20	DEFINE STACK[STACK1]=STUCK[(JUNK:=,TACK1).[37:6],JUNK.[43:5]]#;	00001000
21	PROCEDURE COM(L,T,F1,F2,S2,S5,S6);	00001100
22	VALUE L,T,F1,F2,S2,S5,S6;	00001200
23	REAL L,T,F1,F2,S2,S5,S6;	00008000
24	COMMUNICATE(-15);	00008100
25	STREAM PROCEDURE FETCH(P,X,B); VALUE P;	00008200
26	BEGIN LABEL EX,EL,L;	00008300
27	DI:=B; DS:=8 LIT "0"; DI:=B; DI:=DI+1; SI:=P;	00008400
28		00008500
29	L: IF SC= " " THEN BEGIN SI:=SI+1; GO TO L END;	00008600
30	IF SC = ALPHA THEN	00008700
31	EL: BEGIN DS:=CHR; IF SC = ALPHA THEN GO TO EL; GO TO EX END;	00008800
32	DI:=DI-1; DS:=LIT "+"; DS:=CHR;	00008900
33	EX:P:=SI; SI:=LOC P; DI:=X; DS:=WDS;	00009000
34	END;	00009100
35	REAL STREAM PROCEDURE MKABS(B); BEGIN SI:=B; MKABS:=S1 END;	00009200
36		00009300
37	FORMAT QFN("LOCK FILE NAME?"),	00009400
38	QNDQ("NEW OR OLD LOCK FILE?"),	00009500
39	QRQU("READ ONLY NAMES?"),	00009600
40	QRWU("READ/WRITE NAMES?"),	00010000
41	QVERB("ADD, DELETE, LIST, SAVE, OR QUIT?"),	00010100
42	QD("NAMES TO BE DELETED?"),	00010200
43	QTH("THANK YOU."),	00010300
44	QOK("OK"),	00010400
45	QWHAT("WHAT?"),	00010500
46	QSAVED("LOCK FILE SAVED."),	00010600
47	QMU(A6,A1," NOT IN LOCK FILE"),QMF(A6,"/",A1,A6," NOT IN LOCK FILE."),	00010700
48	QDU("LOCK FILE ALREADY IN YOUR LIBRARY. GIVE ME ANOTHER NAME."),	00010800
49	QXXX("XXX");	00010900
50		00011000
51	PROCEDURE READM;	00011100
52	BEGIN READ(TWX,10,A[*]); A[10]:=STP; X:=P; END;	00012900
53		00013000
54	PROCEDURE ADDER(RW); VALUE RW; BOOLEAN RW;	00013100
55	BEGIN LABEL F1,F2,EXIT;	00013200
56	READM;	00013300
57	F1: FETCH(X,X,B);	00013400
		00013500
		00013600
		00013700

	F2: T:=B[0];	00013800
	IF T.[6:6]=MARK THEN GO TO EXIT;	00013900
	IF T LSS 0 THEN GO TO F1;	00014000
1	FETCH(X,X,B);	00014100
2	IF B[0].[6:6] NEQ "/" THEN	00014200
3	BEGIN IF NOT RW THEN T:=-T;	00014300
4	STACK[K]:=T;	00014400
5	K:=K+1;	00014500
6	STACK[K]:="1?";	00014600
7	GO TO F2;	00014700
8	END;	00014800
9	FETCH(X,X,B);	00014900
10	IF B[0].[6:6]=MARK THEN GO TO EXIT;	00015000
11	IF B[0] LSS 0 THEN GO TO F1;	00015100
12	T:=T.[6:36];	00015110
13	IF RW THEN T.[5:1]:=1;	00015200
14	T.[4:1]:=1;	00015300
15	STACK[K]:=T;	00015400
16	STACK[K+1]:=B[0];	00015500
17	STACK[K+2]:="1?";	00015600
18	K:=K+2;	00015700
19	GO TO F1;	00015800
20	EXIT:	00015900
21	END;	00016000
22		00020000
23	BOOLEAN PROCEDURE START;	00020100
24	BEGIN LABEL SR,EXIT;	00020200
25	STP:=REAL(NOT FALSE);	00020300
26	P:=MKABS(A);	00020400
27	USERNAME:=TIME(-1);	00020410
28	WRITE(TWX[STOP],QNOO);	00020500
29	SR:READEM;	00020600
30	FETCH(X,X,B);	00020700
31	IF B[0]="OLD" THEN GO TO EXIT;	00020800
32	IF B[0]="NEW" THEN	00020900
33	BEGIN START:=TRUE; GO TO EXIT END;	00021000
34	WRITE(TWX[STOP],QWHAT);	00021100
35	GO TO SR;	00021200
36	EXIT:	00021300
37	END;	00021400
38		00022000
39	PROCEDURE SAVER;	00022100
40	BEGIN FILE OUT DS DISK SERIAL[1:K DIV 29+1](1,30,SAVE 10);	00022200
41	FILL DS WITH FILENAME,USERNAME;	00022300
42	I:=J:=K:=0;	00022400
43	DO BEGIN	00022500
44	DO BEGIN T:=STACK[J]; J:=J+1 END UNTIL T NEQ "?";	00022600
45	STACK[K]:=T;	00022700
46	K:=K+1;	00022800
47	A[I]:=T;	00022900
48	I:=I+1;	00023000
49	IF I=30 THEN	00023100
50	BEGIN IF T.[3:3] NEQ 0 THEN	00023200
51	BEGIN J:=J-1; K:=K-1; A[29]:="?" END;	00023300
52	WRITE(DS,30,A[*]);	00023400
53	I:=0;	00023500
54	END;	00023600
55	END UNTIL T="1?";	00023700
56	K:=K-1;	00023800
57	WRITE(DS,30,A[*]);	00023810

```
LOCK(DS);
COM(0,7,-FILENAME,USERNAME,-USERNAME,0,0);
WRITE(TWX,QSAVED);
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END;
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```
PROCEDURE FILENAMER;
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```
BEGIN LABEL FR;
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WRITE(TWX[STOP],QFN);
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FR:READEM;
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00025300
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FETCH(X,X,B);
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IF B[0] LSS 0 THEN
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00025500
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BEGIN WRITE(TWX,QWHAT); GO TO FR END;
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```
FILENAME:=B[0]&" "[42:42:6];
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END;
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PROCEDURE NEW;
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BEGIN LABEL D;
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00026100
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```
FILE IN DL DISK SERIAL (1,30);
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00026200
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K:=0;
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STACK[0]:="1?";
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00026300
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D: FILENAMER;
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00026400
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```
FILL DL WITH FILENAME,USERNAME;
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```
SEARCH(DL,A[*]);
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IF A[0] NEQ -1 THEN
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00026505
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```
BEGIN WRITE(TWX,QCU); GO TO D END;
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00026510
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END;
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PROCEDURE OLD;
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```
BEGIN FILE IN DL DISK SERIAL (1,30);
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LABEL L,EXIT;
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FILENAMER;
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00027000
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```
FILL DL WITH FILENAME,USERNAME;
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00027100
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```
I:=K:=0;
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L: READ(DL,30,B[*]);
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00027300
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FOR I:=0 STEP 1 UNTIL 29 DO
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00027400
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BEGIN I:=B[I];
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IF T NEQ "?" THEN
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BEGIN STACK[K]:=T; K:=K+1 END;
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IF T="1?" THEN GO TO EXIT;
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END;
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GO TO L;
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EXIT;
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K:=K-1;
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END;
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```
PROCEDURE DELETE;
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00030100
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```
BEGIN LABEL D1,D2,EXIT;
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00030200
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BOOLEAN G;
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```
FETCH(X,X,B);
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```
IF B[0].[6:6]=MARK THEN
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00030500
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```
BEGIN WRITE(TWX,QD);
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00030600
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READEM;
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```
D1: FETCH(X,X,B);
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END;
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```
D2: T:=B[0];
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G:=TRUE;
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00031100
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```
IF T.[6:6]=MARK THEN GO TO EXIT;
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00031200
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```
IF T LSS 0 THEN GO TO D1;
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00031300
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```
FETCH(X,X,B);
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```
IF B[0].[6:6] NEQ "/" THEN
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00031500
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BEGIN
FOR I:=0 STEP 1 UNTIL K DO
  BEGIN IF STACK[I].[3:3] NEQ 0 THEN I:=I+1 ELSE
    IF ABS(STACK[I])#T THEN
      BEGIN STACK[I]:="?"; G:=FALSE END;
    END;
  IF G THEN WRITE(TWX,QMU,T.[6:36],T);
  GO TO D2;
  END;
  FETCH(X,X,B);
  IF B[0].[6:6]=MARK THEN GO TO EXIT;
  IF B[0] LSS 0 THEN GO TO D1;
  FOR I:=0 STEP 1 UNTIL K DO
    BEGIN IF STACK[I].[3:3] NEQ 0 THEN
      IF STACK[I].[6:42]=T.[6:36] THEN
        IF STACK[I+1]=B[0] THEN
          BEGIN STACK[I]:=STACK[I+1]:="?"; G:=FALSE END;
        END;
      IF G THEN WRITE(TWX,QMP,T.[6:36],B[0].[6:6],B[0]);
      GO TO D1;
    EXIT;
  END;
  END;
  PROCEDURE LISTER;
  BEGIN STREAM PROCEDURE SQUISH(A);
    BEGIN DI:=A;
      5(SI:=A; SI:=SI+1; DS:=7 CHR; A:=SI;
      6(SI:=SI-1; IF SC NEQ " " THEN JUMP OUT; DI:=DI-1));
      DS:=40 LIT " ";
    END;
  FOR I:=0 STEP 1 UNTIL K-1 DO
    BEGIN A[0]:="( ) "; A[1]:=" ";
      IF STACK[I] NEQ "?" THEN
        BEGIN
          IF STACK[I].[3:3] = 0 THEN
            BEGIN A[0].[12:6]:=IF STACK[I] LSS 0 THEN "R" ELSE "W";
              A[2]:=STACK[I];
              A[3]:=A[4]:=" ";
            END ELSE
              BEGIN A[0].[12:6]:=IF STACK[I].[5:1]=1 THEN "W" ELSE "R";
                A[2]:=" "&STACK[I].[6:12:36];
                A[3]:="/ ";
                A[4]:=STACK[I+1];
                I:=I+1;
              END;
            SQUISH(A);
            WRITE(TWX,5,A[*]);
          END;
        END;
      END;
  END;
  PROCEDURE ADD;
  BEGIN
    LABEL D;
    WRITE(TWX[STOP],QRDU);
    ADDER(FALSE);
    WRITE(TWX[STOP],QRWU);
    ADDER(TRUE);
  END;
  IF START THEN

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