

LABEL 000000000PRINTER00175101CC EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/TPECNF;END+

OBJECT /READ

SYMBOL/TPECNF

Data Documents/Inc.

33199

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COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE * 00000100
* FILE ID: SYMBOL/TPECNF TAPE ID: SYMBOL2/FILE000 * 00000101
* THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION * 00000102
* AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED * 00000103
* EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON * 00000104
* WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF * 00000105
* BURROUGHS CORPORATION, DETROIT, MICHIGAN 48232 * 00000106
* * 00000107
* COPYRIGHT (C) 1971, 1972 BURROUGHS CORPORATION * 00000108
* AA320206 AA386657 *; 00000109

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BEGIN
SUBROUTINE SPACEUP;
    BEGIN
    FILL TOGGLE WITH FALSE;
    FILL TALLY WITH 0;
    DO BEGIN
    SPACE MTA;
    SPACE MTA TAPEMARK;
    DO SPACE MTA 7 TIMES;
    SPACE MTA TAPEMARK;
    DO SPACE MTA ALPHA 7 TIMES;
    SPACE MTA TAPEMARK;
    DO SPACE MTA 10 TIMES;
    SPACE MTA TAPEMARK;
    DO SPACE MTA 11 TIMES;
    SPACE MTA TAPEMARK ON ERROR
    ELSE
        SPACE MTA TAPEMARK ON ERROR
    ELSE
        BEGIN
            FILL TOGGLE WITH TRUE;
            STOP;
        END;
    DISPLAY DOUBLE;
    PRINT PATTERN NOFIND
    ("COMMENT: FAILED TO FIND END OF FILE #4") ;
    FILL TALLY WITH TALLY+1;
    IF TALLY NEG 3 THEN
        PRINT PATTERN RETRY 24(9" ", "-WILL TRY AGAIN") ;
    DISPLAY PAGE;
    REWIND MTA;
    END 3 TIMES;
    IF TOGGLE THEN
        IF TALLY NEG 0 THEN
            PRINT PATTERN FOUND
            ("COMMENT: THIS TIME THE END OF ",
            "FILE #4 WAS FOUND")
        ELSE
            BEGIN
                PRINT PATTERN DISCND
                ("TEST DISCONTINUED - ",
                "UNABLE TO LOCATE WRITE AREA") DOUBLE;
            STOP;
        END;
    END;
END;
*****BEGINNING OF PROGRAM*****00015000
GO TEST; 00020000
*****TEST 0 (TAPE GENERATOR)*****00030000
TEST 0; 00040000

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	DO BEGIN	00050000
	PRINT PATTERN ("TEST TAPE GENERATION PROGRAM");	00060000
	PRINT PATTERN 28("=") DOUBLE;	00070000
1	%ERASE WRITE AREA	00080000
2	ERASE MTA PATTERN 8000;	00090000
3	%WRITE PSEUDO LABEL	00100000
4	WRITE MTA PATTERN TAPELABEL;	00110000
5	WRITE MTA TAPEMARK;	00120000
6	%WRITE FILE 1	00130000
7	WRITE MTA PATTERN F10 8000("00000000");	00140000
8	WRITE MTA PATTERN F11 8000("11111111")	00150000
9	FROM BUFFER BUFF1;	00160000
10	WRITE MTA PATTERN F12 8000("22222222");	00170000
11	WRITE MTA PATTERN F13 8000("44444444")	00180000
12	FROM BUFFER BUFF1;	00190000
13	WRITE MTA PATTERN F14 8000("88888888");	00200000
14	WRITE MTA PATTERN F15 8000(OCT"2020202020202020")	00210000
15	FROM BUFFER BUFF1;	00220000
16	WRITE MTA PATTERN F16 8000(OCT"4040404040404040");	00230000
17	WRITE MTA TAPEMARK;	00240000
18	%WRITE FILE 2	00250000
19	IF MOD3 THEN	00260000
20	WRITE MTA PATTERN F20 8000(OCT"3737373737373737") ALPHA	00270000
21	ELSE	00280000
22	WRITE MTA PATTERN F26 8000(OCT"7777777777777777") ALPHA;	00290000
23	WRITE MTA PATTERN F21 8000(OCT"3636363636363636")	00300000
24	FROM BUFFER BUFF1 ALPHA;	00310000
25	WRITE MTA PATTERN F22 8000(OCT"3535353535353535") ALPHA;	00320000
26	WRITE MTA PATTERN F23 8000(OCT"3232323232323232")	00330000
27	FROM BUFFER BUFF1 ALPHA;	00340000
28	WRITE MTA PATTERN F24 8000(OCT"2727272727272727") ALPHA;	00350000
29	WRITE MTA PATTERN F25 8000(OCT"5757575757575757")	00360000
30	FROM BUFFER BUFF1 ALPHA;	00370000
31	WRITE MTA PATTERN F26 ALPHA;	00380000
32	WRITE MTA TAPEMARK;	00390000
33	%WRITE FILE 3	00400000
34	DO	00410000
35	WRITE MTA PATTERN F3 8000(OCT"7776777677767776")	00420000
36	10 TIMES;	00430000
37	WRITE MTA TAPEMARK;	00440000
38	%WRITE FILE 4	00450000
39	FILL TALLY WITH 8;	00460000
40	DO	00470000
41	BEGIN	00480000
42	WRITE MTA PATTERN F4 8008(OCT "5235523552355235")	00490000
43	THRU TALLY;	00500000
44	FILL TALLY WITH TALLY+800;	00510000
45	END 11 TIMES;	00520000
46	WRITE MTA TAPEMARK;	00530000
47	WRITE MTA TAPEMARK;	00540000
48	REWIND MTA;	00550000
49	%END OF TAPE GENERATION PART	00560000
50	FILL BUFFER BUFF1 WITH PATTERN 8000(" ");	00570000
51	%READ LABEL	00580000
52	READ MTA PATTERN TAPELABEL INTO BUFFER BUFF1;	00590000
53	READ MTA TAPEMARK;	00600000
54	%READ FILE 1	00610000
55	READ MTA PATTERN F10 INTO BUFFER BUFF1;	00620000
56	READ MTA PATTERN F11 INTO BUFFER BUFF1;	00630000
57	READ MTA PATTERN F12 INTO BUFFER BUFF1;	00640000

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1 READ MTA PATTERN F13 INTO BUFFER BUFF1; 00650000
2 READ MTA PATTERN F14 INTO BUFFER BUFF1; 00660000
3 READ MTA PATTERN F15 INTO BUFFER BUFF1; 00670000
4 READ MTA PATTERN F16 INTO BUFFER BUFF1; 00680000
5 READ MTA TAPEMARK; 00690000
6 %READ FILE 2 00700000
7 IF MOD3 THEN 00710000
8 READ MTA PATTERN F20 INTO BUFFER BUFF1 ALPHA 00720000
9 ELSE 00730000
10 READ MTA PATTERN F26 INTO BUFFER BUFF1; 00740000
11 READ MTA PATTERN F21 INTO BUFFER BUFF1 ALPHA; 00750000
12 READ MTA PATTERN F22 INTO BUFFER BUFF1 ALPHA; 00760000
13 READ MTA PATTERN F23 INTO BUFFER BUFF1 ALPHA; 00770000
14 READ MTA PATTERN F24 INTO BUFFER BUFF1 ALPHA; 00780000
15 READ MTA PATTERN F25 INTO BUFFER BUFF1 ALPHA; 00790000
16 READ MTA PATTERN F26 INTO BUFFER BUFF1 ALPHA; 00800000
17 READ MTA TAPEMARK; 00810000
18 %READ FILE 3 00820000
19 DO 00830000
20 BEGIN 00840000
21 READ MTA PATTERN F3 INTO BUFFER BUFF1; 00850000
22 END 00860000
23 10 TIMES; 00870000
24 %READ FILE 4 00880000
25 FILL BUFFER BUFF1 WITH PATTERN 8008(" "); 00890000
26 READ MTA TAPEMARK; 00900000
27 FILL TALLY WITH 8; 00910000
28 DO 00920000
29 BEGIN 00930000
30 READ MTA PATTERN F4 THRU TALLY INTO BUFFER BUFF1; 00940000
31 FILL TALLY WITH TALLY+800; 00950000
32 END 11 TIMES; 00960000
33 READ MTA TAPEMARK; 00970000
34 READ MTA TAPEMARK; 00980000
35 REWIND MTA; 00990000
36 END * TIMES; GO EXIT; 01000000
37 %*****TEST 1 (BOT SENSING TEST)***** 01010000
38 TEST 1: 01020000
39 IF MOD3 THEN 01030000
40 FILL TOGGLE WITH FALSE 01040000
41 ELSE 01050000
42 BEGIN 01060000
43 PRINT PATTERN DASH 72("-"); 01070000
44 PRINT PATTERN ("TEST #1 NOT RUN(NT AVAILABLE ", 01080000
45 "WITH MOD II I/O CONTROLS"); 01090000
46 PRINT PATTERN DASH; 01100000
47 DISPLAY PAGE; 01110000
48 GO TEST; 01120000
49 END; 01130000
50 DO BEGIN 01140000
51 PRINT PATTERN ("TEST #1 - BOT SENSING TEST"); 01150000
52 PRINT PATTERN UL26 26(=") DOUBLE; 01160000
53 REWIND MTA BOT; 01170000
54 IF BOT THEN FILL TOGGLE WITH TRUE; 01180000
55 BACKSPACE MTA BOT; 01190000
56 IF BOT THEN FILL TOGGLE WITH TRUE; 01200000
57 READ MTA BOT BKWD; 01210000
58 IF BOT THEN FILL TOGGLE WITH TRUE; 01220000
59 END * TIMES; 01230000
60 IF TOGGLE THEN GO TEST ELSE 01240000

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	BEGIN	01250000
	PRINT PATTERN ("UNIT FAILED TO DETEST BOT") DOUBLE;	01260000
	PRINT PATTERN ("REMAINING SCHEDULED TESTS NOT RUN");	01270000
1	GO EXIT;	01280000
2	END;	01290000
3	*****TEST 2 (TAPE POSITIONING TEST)*****	01300000
4	TEST 2:	01310000
5	DO BEGIN	01320000
6	PRINT PATTERN ("TEST #2 - TAPE POSITIONING TEST");	01330000
7	PRINT PATTERN 31("=") DOUBLE;	01340000
8	SPACE MTA PATTERN 72;	01350000
9	SPACE MTA TAPEMARK;	01360000
10	DO	01370000
11	SPACE MTA PATTERN 8000	01380000
12	7 TIMES;	01390000
13	SPACE MTA TAPEMARK;	01400000
14	DO	01410000
15	SPACE MTA PATTERN 8000	01420000
16	7 TIMES;	01430000
17	SPACE MTA TAPEMARK;	01440000
18	DO	01450000
19	SPACE MTA PATTERN 8000	01460000
20	10 TIMES;	01470000
21	SPACE MTA TAPEMARK;	01480000
22	SPACE MTA PATTERN 8;	01490000
23	SPACE MTA PATTERN 808;	01491000
24	SPACE MTA PATTERN 1608;	01492000
25	SPACE MTA PATTERN 2408;	01493000
26	SPACE MTA PATTERN 3208;	01494000
27	SPACE MTA PATTERN 4008;	01495000
28	SPACE MTA PATTERN 4808;	01496000
29	SPACE MTA PATTERN 5608;	01497000
30	SPACE MTA PATTERN 6408;	01498000
31	SPACE MTA PATTERN 7208;	01499000
32	SPACE MTA PATTERN 8008;	01500000
33	SPACE MTA TAPEMARK;	01520000
34	BACKSPACE MTA TAPEMARK;	01530000
35	BACKSPACE MTA PATTERN 8008;	01540000
36	BACKSPACE MTA PATTERN 7208;	01541000
37	BACKSPACE MTA PATTERN 6408;	01542000
38	BACKSPACE MTA PATTERN 5608;	01543000
39	BACKSPACE MTA PATTERN 4808;	01544000
40	BACKSPACE MTA PATTERN 4008;	01545000
41	BACKSPACE MTA PATTERN 3208;	01546000
42	BACKSPACE MTA PATTERN 2408;	01547000
43	BACKSPACE MTA PATTERN 1608;	01548000
44	BACKSPACE MTA PATTERN 808;	01549000
45	BACKSPACE MTA PATTERN 8;	01550000
46	BACKSPACE MTA TAPEMARK;	01570000
47	DO	01580000
48	BACKSPACE MTA PATTERN 8000	01590000
49	10 TIMES;	01600000
50	BACKSPACE MTA TAPEMARK;	01610000
51	DO	01620000
52	BACKSPACE MTA PATTERN 8000	01630000
53	7 TIMES;	01640000
54	BACKSPACE MTA TAPEMARK;	01650000
55	DO	01660000
56	BACKSPACE MTA PATTERN 8000	01670000
57	7 TIMES;	01680000

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	BACKSPACE MTA TAPEMARK;	01690000
	BACKSPACE MTA;	01700000
	REWIND MTA;	01720000
1	END * TIMES; GO TEST;	01730000
2	%*****TEST 3 (TAPE MARK RECOGNITION TEST)*****	01740000
3	TEST 3:	01750000
4	DO BEGIN	01760000
5	PRINT PATTERN ("TEST #3 - TAPE MARK RECOGNITION TEST");	01770000
6	PRINT PATTERN 36("=") DOUBLE;	01780000
7	SPACE MTA PATTERN 72;	01790000
8	DO	01800000
9	BEGIN	01810000
10	READ MTA TAPEMARK;	01820000
11	DO SPACE MTA 7 TIMES;	01830000
12	READ MTA TAPEMARK;	01840000
13	DO SPACE MTA ALPHA 7 TIMES;	01850000
14	READ MTA TAPEMARK;	01860000
15	DO SPACE MTA 10 TIMES;	01870000
16	READ MTA TAPEMARK;	01880000
17	DO SPACE MTA 11 TIMES;	01890000
18	SPACE MTA TAPEMARK;	01900000
19	READ MTA TAPEMARK BKWD;	01910000
20	DO BACKSPACE MTA 11 TIMES;	01920000
21	BACKSPACE MTA TAPEMARK;	01930000
22	DO BACKSPACE MTA 10 TIMES;	01940000
23	READ MTA TAPEMARK BKWD;	01950000
24	DO BACKSPACE MTA ALPHA 7 TIMES;	01960000
25	READ MTA TAPEMARK BKWD;	01970000
26	DO BACKSPACE MTA 7 TIMES;	01980000
27	READ MTA TAPEMARK BKWD;	01990000
28	END	02000000
29	3 TIMES;	02010000
30	REWIND MTA;	02020000
31	END * TIMES; GO TEST;	02030000
32	%*****TEST 4 (PARITY ERROR RECOGNITION TEST)*****	02040000
33	TEST 4:	02050000
34	DO BEGIN	02060000
35	PRINT PATTERN ("TEST #4 - PARITY ERROR RECOGNITION TEST");	02070000
36	PRINT PATTERN 39("=") DOUBLE;	02080000
37	READ MTA PATTERN 72;	02100000
38	READ MTA TAPEMARK;	02110000
39	DO	02120000
40	READ MTA PATTERN 8000 ALPHA PARITY	02130000
41	7 TIMES;	02140000
42	DO	02150000
43	READ MTA PATTERN 8000 BKWD ALPHA PARITY	02160000
44	7 TIMES;	02170000
45	DO SPACE MTA ALPHA 7 TIMES;	02180000
46	SPACE MTA TAPEMARK;	02190000
47	DO	02200000
48	READ MTA PATTERN 8000 PARITY	02210000
49	7 TIMES;	02220000
50	DO	02230000
51	READ MTA PATTERN 8000 PARITY BKWD	02240000
52	7 TIMES;	02250000
53	REWIND MTA;	02260000
54	END * TIMES; GO TEST;	02270000
55	%*****TEST 5 (TAPE READ TEST)*****	02280000
56	TEST 5:	02290000
57	DO BEGIN	02300000

	PRINT PATTERN ("TEST #5 - TAPE READ TEST");	02310000
	PRINT PATTERN 24("=") DOUBLE;	02320000
	READ MTA PATTERN 72;	02330000
1	READ MTA TAPEMARK;	02340000
2	%READ FILE 1	02350000
3	READ MTA PATTERN F10 INTO BUFFER BUFF1;	02360000
4	READ MTA PATTERN F11 INTO BUFFER BUFF1;	02370000
5	READ MTA PATTERN F12 INTO BUFFER BUFF1;	02380000
6	READ MTA PATTERN F13 INTO BUFFER BUFF1;	02390000
7	READ MTA PATTERN F14 INTO BUFFER BUFF1;	02400000
8	READ MTA PATTERN F15 INTO BUFFER BUFF1;	02410000
9	READ MTA PATTERN F16 INTO BUFFER BUFF1;	02420000
10	READ MTA PATTERN F16 BKWD INTO BUFFER BUFF1;	02430000
11	READ MTA PATTERN F15 BKWD INTO BUFFER BUFF1;	02440000
12	READ MTA PATTERN F14 BKWD INTO BUFFER BUFF1;	02450000
13	READ MTA PATTERN F13 BKWD INTO BUFFER BUFF1;	02460000
14	READ MTA PATTERN F12 BKWD INTO BUFFER BUFF1;	02470000
15	READ MTA PATTERN F11 BKWD INTO BUFFER BUFF1;	02480000
16	READ MTA PATTERN F10 BKWD INTO BUFFER BUFF1;	02490000
17	DO SPACE MTA 7 TIMES;	02500000
18	READ MTA TAPEMARK;	02510000
19	%READ FILE 2	02520000
20	IF MOD3 THEN	02530000
21	READ MTA PATTERN F26 PARITY INTO BUFFER BUFF1	02540000
22	ELSE	02550000
23	READ MTA PATTERN F20 PARITY INTO BUFFER BUFF1;	02560000
24	READ MTA PATTERN F21A 8000(OCT"76767676767676")	02570000
25	PARITY INTO BUFFER BUFF1;	02580000
26	READ MTA PATTERN F22A 8000(OCT"75757575757575")	02590000
27	PARITY INTO BUFFER BUFF1;	02600000
28	READ MTA PATTERN F23A 8000(OCT"73737373737373")	02610000
29	PARITY INTO BUFFER BUFF1;	02620000
30	READ MTA PATTERN F24A 8000(OCT"67676767676767")	02630000
31	PARITY INTO BUFFER BUFF1;	02640000
32	READ MTA PATTERN F25 PARITY INTO BUFFER BUFF1;	02650000
33	READ MTA PATTERN F20 PARITY INTO BUFFER BUFF1;	02660000
34	READ MTA PATTERN F20 BKWD PARITY INTO BUFFER BUFF1;	02670000
35	READ MTA PATTERN F25 BKWD PARITY INTO BUFFER BUFF1;	02680000
36	READ MTA PATTERN F24A BKWD PARITY INTO BUFFER BUFF1;	02690000
37	READ MTA PATTERN F23A BKWD PARITY INTO BUFFER BUFF1;	02700000
38	READ MTA PATTERN F22A BKWD PARITY INTO BUFFER BUFF1;	02710000
39	READ MTA PATTERN F21A BKWD PARITY INTO BUFFER BUFF1;	02720000
40	IF MOD3 THEN	02730000
41	READ MTA PATTERN F26 BKWD PARITY INTO BUFFER BUFF1	02740000
42	ELSE	02750000
43	READ MTA PATTERN F20 PARITY INTO BUFFER BUFF1;	02760000
44	DO SPACE MTA ALPHA 7 TIMES;	02770000
45	READ MTA TAPEMARK;	02780000
46	%READ FILE 3	02790000
47	DO	02800000
48	READ MTA PATTERN F3	02810000
49	INTO BUFFER BUFF1	02820000
50	10 TIMES;	02830000
51	DO READ MTA PATTERN F3 INTO BUFFER BUFF1 BKWD 10 TIMES;	02840000
52	DO SPACE MTA 10 TIMES;	02850000
53	READ MTA TAPEMARK;	02860000
54	%READ FILE 4	02870000
55	FILL TALLY WITH 8;	02880000
56	DO	02890000
57	BEGIN	02900000

	READ MTA PATTERN F4 THRU TALLY INTO BUFFER BUFF1;	02910000
	FILL TALLY WITH TALLY+800;	02920000
	END 11 TIMES;	02930000
1	DO	02940000
2	BEGIN	02950000
3	FILL TALLY WITH TALLY=800;	02960000
4	READ MTA PATTERN F4 THRU TALLY INTO BUFFER BUFF1 BKWD;	02970000
5	END 11 TIMES;	02980000
6	REWIND MTA;	02990000
7	END * TIMES; GO TEST;	03000000
8	%*****TEST 6 (TAPE WRITE TEST)*****	03010000
9	TEST 6:	03020000
10	DO BEGIN	03030000
11	PRINT PATTERN ("TEST #6 - TAPE WRITE TEST");	03040000
12	PRINT PATTERN UL25 25("=") DOUBLE;	03050000
13	CALL SPACEUP;	03060000
14	IF NOT TOGGLE THEN STOP;	03070000
15	%BEGINNING OF TEST	03530000
16	WRITE MTA PATTERN F10;	03540000
17	WRITE MTA PATTERN F11 FROM BUFFER BUFF1;	03550000
18	WRITE MTA PATTERN F12;	03560000
19	WRITE MTA PATTERN F13 FROM BUFFER BUFF1;	03570000
20	WRITE MTA PATTERN F14;	03580000
21	WRITE MTA PATTERN F15 FROM BUFFER BUFF1;	03590000
22	WRITE MTA PATTERN F16;	03600000
23	READ MTA PATTERN F16 INTO BUFFER BUFF1 BKWD;	03610000
24	READ MTA PATTERN F15 INTO BUFFER BUFF1 BKWD;	03620000
25	READ MTA PATTERN F14 INTO BUFFER BUFF1 BKWD;	03630000
26	READ MTA PATTERN F13 INTO BUFFER BUFF1 BKWD;	03640000
27	READ MTA PATTERN F12 INTO BUFFER BUFF1 BKWD;	03650000
28	READ MTA PATTERN F11 INTO BUFFER BUFF1 BKWD;	03660000
29	READ MTA PATTERN F10 INTO BUFFER BUFF1 BKWD;	03670000
30	READ MTA PATTERN F10 INTO BUFFER BUFF1;	03680000
31	READ MTA PATTERN F11 INTO BUFFER BUFF1;	03690000
32	READ MTA PATTERN F12 INTO BUFFER BUFF1;	03700000
33	READ MTA PATTERN F13 INTO BUFFER BUFF1;	03710000
34	READ MTA PATTERN F14 INTO BUFFER BUFF1;	03720000
35	READ MTA PATTERN F15 INTO BUFFER BUFF1;	03730000
36	READ MTA PATTERN F16 INTO BUFFER BUFF1;	03740000
37	IF MOD3 THEN	03750000
38	WRITE MTA PATTERN F20 ALPHA	03760000
39	ELSE	03770000
40	WRITE MTA PATTERN F26 ALPHA;	03780000
41	WRITE MTA PATTERN F21 ALPHA;	03790000
42	WRITE MTA PATTERN F22 ALPHA;	03800000
43	WRITE MTA PATTERN F23 FROM BUFFER BUFF1 ALPHA;	03810000
44	WRITE MTA PATTERN F24 ALPHA;	03820000
45	WRITE MTA PATTERN F25 FROM BUFFER BUFF1 ALPHA;	03830000
46	WRITE MTA PATTERN F26 ALPHA;	03840000
47	READ MTA PATTERN F20 PARITY INTO BUFFER BUFF1 BKWD;	03850000
48	READ MTA PATTERN F25 INTO BUFFER BUFF1 PARITY BKWD;	03860000
49	READ MTA PATTERN F24A PARITY INTO BUFFER BUFF1 BKWD;	03870000
50	READ MTA PATTERN F23A PARITY INTO BUFFER BUFF1 BKWD;	03880000
51	READ MTA PATTERN F22A PARITY INTO BUFFER BUFF1 BKWD;	03890000
52	READ MTA PATTERN F21A PARITY INTO BUFFER BUFF1 BKWD;	03900000
53	IF MOD3 THEN	03910000
54	BEGIN	03920000
55	READ MTA PATTERN F26 PARITY INTO BUFFER BUFF1 BKWD;	03930000
56	READ MTA PATTERN F26 PARITY INTO BUFFER BUFF1;	03940000
57	END ELSE	03950000



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BEGIN
  READ MTA PATTERN F20 PARITY INTO BUFFER BUFF1 BKWD;
  READ MTA PATTERN F20 PARITY INTO BUFFER BUFF1;
END;
  READ MTA PATTERN F21A PARITY INTO BUFFER BUFF1;
  READ MTA PATTERN F22A PARITY INTO BUFFER BUFF1;
  READ MTA PATTERN F23A PARITY INTO BUFFER BUFF1;
  READ MTA PATTERN F24A PARITY INTO BUFFER BUFF1;
  READ MTA PATTERN F25 PARITY INTO BUFFER BUFF1;
  READ MTA PATTERN F20 PARITY INTO BUFFER BUFF1;
DO
  WRITE MTA PATTERN F3
  10 TIMES;
DO
  READ MTA PATTERN F3 INTO BUFFER BUFF1 BKWD
  10 TIMES;
DO
  READ MTA PATTERN F3 INTO BUFFER BUFF1
  10 TIMES;
  FILL TALLY WITH 8;
DO
  BEGIN
    WRITE MTA PATTERN F4 THRU TALLY;
    FILL TALLY WITH TALLY+800;
  END 11 TIMES;
DO
  BEGIN
    FILL TALLY WITH TALLY-800;
    READ MTA PATTERN F4 THRU TALLY INTO BUFFER BUFF1 BKWD;
  END 11 TIMES;
DO
  BEGIN
    READ MTA PATTERN F4 THRU TALLY INTO BUFFER BUFF1;
    FILL TALLY WITH TALLY+800;
  END 11 TIMES;
  REWIND MTA;
  END * TIMES; GO TEST;
*****TEST 7 (TRANSLATOR TEST)*****
TEST 7:
DO BEGIN
  PRINT PATTERN ("TEST #7 - TRANSLATOR TEST");
  PRINT PATTERN UL25 DOUBLE;
  CALL SPACEUP;
  IF NOT TOGGLE THEN STOP;
  *BEGINNING OF TEST
  DO WRITE MTA PATTERN R 64(RIPPLE "?") 5 TIMES;
  DO BACKSPACE MTA 5 TIMES;
  DO READ MTA PATTERN R INTO BUFFER BUFF1 5 TIMES;
  DO READ MTA PATTERN R1 64
    (8 OCT "1315161760616263",
    8 OCT "6465666770717472",
    3"%=]",
    1"",
    4"-JKL",
    8"MNOPQRx$",
    8 OCT "5355565734212223",
    8"DEFGH1+.",
    8 OCT "3335363714010203",
    8"4567890#") INTO BUFFER BUFF1 ALPHA BKWD PARITY
ON ERROR

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03970000
03980000
03990000
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04010000
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04080000
04090000
04100000
04110000
04120000
04130000
04140000
04150000
04160000
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04200000
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04220000
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04250000
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04310000
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BEGIN
    DISPLAY PAGE;
    STOP;
END
5 TIMES;
DO
    WRITE MTA PATTERN R ALPHA
5 TIMES;
DO
    READ MTA PATTERN R
    INTO BUFFER BUFF1 ALPHA BKWD
5 TIMES;
DO
    READ MTA PATTERN R3 64(
    8 OCT "1516177261626364",
    8 OCT "8566677071737460",
    8 OCT "7576775241424344",
    8 OCT "4546475051535440",
    8 OCT "9556572021222324",
    8 OCT "2526273031333432",
    8 OCT "3536371201020304",
    8 OCT "0506071011131400")
    INTO BUFFER BUFF1 PARITY
    ON ERROR
    BEGIN
        DISPLAY PAGE;
        STOP;
    END
5 TIMES;
REWIND MTA;
END * TIMES; GO TEST;
%*****TEST 8 (ALPHA TAPE READ TEST)*****
TEST 8:
DO BEGIN
    PRINT PATTERN ("TEST #8 - ALPHA TAPE READ TEST");
    PRINT PATTERN UL 30 30("=") DOUBLE;
    SPACE MTA;
    SPACE MTA TAPEMARK;
    DO SPACE MTA 7 TIMES;
    SPACE MTA TAPEMARK;
    IF MOD3 THEN
        READ MTA PATTERN F20 INTO BUFFER BUFF1 ALPHA
    ELSE
        READ MTA PATTERN F26 INTO BUFFER BUFF1 ALPHA;
        READ MTA PATTERN F21 INTO BUFFER BUFF1 ALPHA;
        READ MTA PATTERN F22 INTO BUFFER BUFF1 ALPHA;
        READ MTA PATTERN F23 INTO BUFFER BUFF1 ALPHA;
        READ MTA PATTERN F24 INTO BUFFER BUFF1 ALPHA;
        READ MTA PATTERN F25 INTO BUFFER BUFF1 ALPHA;
        READ MTA PATTERN F26 INTO BUFFER BUFF1 ALPHA;
        READ MTA PATTERN F26 INTO BUFFER BUFF1 ALPHA BKWD;
        READ MTA PATTERN F25 INTO BUFFER BUFF1 ALPHA BKWD;
        READ MTA PATTERN F24 INTO BUFFER BUFF1 ALPHA BKWD;
        READ MTA PATTERN F23 INTO BUFFER BUFF1 ALPHA BKWD;
        READ MTA PATTERN F22 INTO BUFFER BUFF1 ALPHA BKWD;
        READ MTA PATTERN F21 INTO BUFFER BUFF1 ALPHA BKWD;
        IF MOD3 THEN
            READ MTA PATTERN F20 INTO BUFFER BUFF1 ALPHA BKWD
        ELSE
            READ MTA PATTERN F26 INTO BUFFER BUFF1 ALPHA;
```

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