

DESCRIPTION	SYMBOL	COMMAND		R S L	ADDRESSES			
		CODE	MOD		A	B	C	NI
READ CONSOLE CELL A THRU CELL B	RDC	00	E	R	A	B	0L	NI
PRINT CONSOLE PRINTER, CELL A THRU CELL B	PRT	01	E	R	A	B	PL	NI
CARRIAGE CONTROL A THRU B PROVIDES COUNT	CAC	02	E	0	A	B	0L	NI
CARRIAGE OPEN		02	8	0	00	00	04	NI
ADVANCE CONTINUOUS FORMS		02	9	0	00	00	04	NI
HALT STOP ALL OPERATIONS	HLT	03	0	0	00	00	00	NI
SET MEMORY REGISTER	SMR	03	1	0	0S	0S	0S	NI
SLEW ADVANCE FORMS ON LINE PRINTER	SLW	03	2	0	00	00	0T	NI
READ PUNCHED CARDS CELL A THRU CELL B	RPC ¹ ₂	04	U	R	A	B	00	NI
READ PAPER TAPE CELL A THRU CELL B	RPT ¹ ₂	05	Q	R	A	B	AI	NI
REWIND TAPE ON READER NO. 1	RWT	05	4	0	00	00	00	NI
READ LEDGER CELL A THRU CELL B	RDL	06	N	R	A	B	00	NI
WRITE LEDGER CELL A THRU CELL B IN THE SAME PLANE, B MUST NOT BE GREATER THAN A	WTL	07	M	R	A	B	AI	NI
SUMMARIZE CELL A THRU CELL B → CELL C	SUM	08	0	R	A	B	C	NI
CLEAR CELL A THRU CELL B	CLR	09	0	R	A	B	00	NI
MULTIPLY DOLLAR DECIMAL CELL A BY CELL B → CELL C	MDD	10	0	R	A	B	C	NI
MULTIPLY AND SHIFT CELL A BY CELL B → CELL B	MUS	11	F	R	A	B	G	NI
INSERT CELL A INTO CELL B	INS	12	H	R	A	B	0J	NI
SHIFT AND COPY CELL A INTO CELL B	SHF	13	F	R	A	B	G	NI
SUBTRACT CELL A MINUS CELLS B → CELL C	SUB	14	0	R	A	B	C	NI
COMPARE FOR EQUALITY CONTENTS CELLS A TO B. AI SELECTED IF NOT EQUAL(≠)	CFE	15	0	R	A	B	AI	NI
ZERO CONTENT OF CELL A = 0? IF NOT, SELECT AI	CFZ	15	1	R	A	00	AI	NI
MAGNITUDE CONTENTS OF CELLS A TO B. SELECT AI IF A IS LESS(<)	CFM	15	2	R	A	B	AI	NI
PUNCH PAPER TAPE CELL A THRU CELL B	PPT	16	0	R	A	B	0V	NI
FEED PAPER TAPE A THRU B PROVIDES COUNT	FPT	16	1	R	A	B	0V	NI
TYPE ALPHA-NUMERIC FROM CONSOLE TYPEWRITER, CELL A THRU CELL B	TYP	16	2	R	A	B	00	NI
PUNCH CARD - NUMERIC CELL A THRU CELL B	PCN	16	3	R	A	B	W	NI
- ALPHA CELL A THRU CELL B	PCA	16	4	R	A	B	00	NI
- SKIP 576 SERIAL CARD PUNCH	PCS	16	5	0	00	00	00	NI
- RELEASE 576 SERIAL CARD PUNCH	PCR	16	5	0	00	00	01	NI
LINE PRINT - NUMERIC CELL A THRU CELL B MIN. 2 WORDS, MAX. 8 WORDS	LPN	16	6	R	A	B	0T	NI
- ALPHA LEFT CELL A THRU CELL B MIN. 2 WORDS, MAX. 8 WORDS	LPA ^L	16	7	R	A	B	0T	NI
- ALPHA RIGHT CELL A THRU CELL B MIN. 2 WORDS, MAX. 8 WORDS	LPA ^R	16	8	R	A	B	0T	NI
CODE CONTROLLED ALPHA PRINT, SPACE CONTROL BY SYMBOLS	LPS	16	9	R	A	B	AI	NI
ADD CELL A + CELL B → CELL C	ADD	17	0	R	A	B	C	NI
COPY CELL A INTO CELL C	CPY	17	1	R	A	00	C	NI
BLOCK ADD ADD CELL A + CELL B → CELL B, INCREMENT A AND B	BLA	18	0	R	A	B	K	NI
BLOCK COPY COPY CELL A INTO CELL B, INCREMENT A AND B.	BLC	18	1	R	A	B	K	NI
EXPAND NUMERIC TO ALPHA CELL A INTO CELLS B AND B+1	EXP	18	3	R	A	B	Y	NI
LINE PRINT MEMORY NUMERIC, 5 CELLS PER LINE	LPM	18	5	R	A	A+4	Z	NI
PUNCH MEMORY ON PARALLEL PUNCH, 5 WORDS PER CARD	PCM	18	9	R	A	A+4	Z	NI
DIVIDE CELL A BY CELL B → CELL C	DIV	19	0	R	A	B	C	NI

E

- 0 -- Paper feed
1 -- No paper feed & no tab
2*-- Tab to next #1, #2 or #3 block
3 -- Return to next #1, #2, #3 or #4 insert
4 -- Tab to next #2 or #3 block, skipping #1 blocks
5 -- Tab to next #3 block, skipping #1 and #2 blocks
* Paper feed and carriage return plates effective

F

- 0 -- Shift left
1*-- Shift right, absolute
3 -- Shift right, retain sign
5*-- Shift right & round, absolute
7 -- Shift right & round, retain sign
* not used with MUS

G

Number of positions to be shifted.

H

One less than number of adjacent digits to be inserted

J

One less than the position of the low-order digit to be inserted

K

One less than number of cells in each block

L

Operate console
0 -- manual
4 -- automatic

M

- 0 -- Do not write line find
1 -- Write line find

N

- 0 -- Read and mechanical line find
1 -- Read and magnetic line find
2 -- Read and eject ledger
3 -- Read from Auto. Ledger Reader
4 -- Mechanical line find -- no read
5 -- Magnetic line find -- no read

P

Console Printer
0 -- Print positive in black
negative in red with CR
1 -- Print absolute (all black)

Q

- Paper Tape Readers
No. 1 No. 2
0 -- Read into high order position first (tape punched on 464) -- 2
1 -- Read into low order position first -- 3

R

Memory Register Selected
0 -- Selects 0 0 0
1 -- Selects 0 0 C
2 -- Selects 0 B 0
3 -- Selects 0 B C
4 -- Selects A 0 0
5 -- Selects A 0 C
6 -- Selects A B 0
7 -- Selects A B C

S

- 0 -- Set to plane 0
1 -- No change in setting
2 -- Set to plane 2
4 -- Set to plane 4
6 -- Set to plane 6

T

Forms spacing on line printer (occurs before print)
0 -- no space
1 -- single space
2 -- double space
3 -- triple space
4 -- slew to next hole in track 4
5 -- slew to next hole in track 3
6 -- slew to next hole in track 2
7 -- slew to next hole in track 1
8*-- Auto. zero edit, no space
9*-- Auto. zero edit, single space
* used with LPN only

U

- Punched Card Readers
No. 1 No. 2
0--- Read Numeric ---4
2--- Release Card ---6
3--- Read Alpha-Numeric ---7

V

- 2 -- AI
3 -- EOT
5 -- EOW
6 -- EOR
7 -- Delete
Terminating symbol

W

Only used with Serial Punch (576)
-One less than number of digits to be punched, for 1 to 10 digits.
-To punch 12 digits W=10

Y

One less than number of cells to be occupied by alpha.

Z

Divide number of cells by five & subtract one from result.

ALPHA-NUMERIC CODE TABLE

MEMORY DIGIT CODES	LINE PRINTER	TYPE- WRITER	PUNCHED CARD	
			CHAR- ACTER	PUNCH FORMAT
10	0	0	0	0
11	1	1	1	1
12	2	2	2	2
13	3	3	3	3
14	4	4	4	4
15	5	5	5	5
16	6	6	6	6
17	7	7	7	7
18	8	8	8	8
19	9	9	9	9
20	*	&	&	12
21	A	A	A	12-1
22	B	B	B	12-2
23	C	C	C	12-3
24	D	D	D	12-4
25	E	E	E	12-5
26	F	F	F	12-6
27	G	G	G	12-7
28	H	H	H	12-8
29	I	I	I	12-9
30	space	space	none	blank
33	space	(.)	(.)	12-3-8
40	\$	space		11-0
41	J	J	J	11-1
42	K	K	K	11-2
43	L	L	L	11-3
44	M	M	M	11-4
45	N	N	N	11-5
46	O	O	O	11-6
47	P	P	P	11-7
48	Q	Q	Q	11-8
49	R	R	R	11-9
53	space	tab/EOR	\$	11-3-8
54	space	tab	*	11-4-8
61	,	space	/	0-1
62	S	S	S	0-2
63	T	T	T	0-3
64	U	U	U	0-4
65	V	V	V	0-5
66	W	W	W	0-6
67	X	X	X	0-7
68	Y	Y	Y	0-8
69	Z	Z	Z	0-9
73	space	ret/EOR	,	0-3-8
74	space	ret	%	0-4-8

Symbol Code Function Table

Symbol	Code	Function on the Console Typewriter	Function on the Line Printer
\$	53	tab and advance to the next instruction	space up, print a line and advance to the next instruction
*	54	tab and continue typing	space up, print a line and continue in the instruction
,	73	return and advance to next instruction	space up, print a line and advance to the next instruction
%	74	return and continue typing	space up, print a line and continue in the instruction.