

OPERATION CODE	INSTRUCTION	TRANSMISSION STOPPED BY	REQUIRED WORD MARKS	CAN INST. BE CHAINED	CONTENTS OF REGISTERS AT COMP. OF OPERATION			REMARKS
					I	A	B	
1	Read A Card				NSI	Ap	081	
2	Write A Line				NSI	Ap	335	B-Add. Reg. stands at 333 with Print Storage
2□	Write Word Marks				NSI	dbb	335	B-Add. Reg. stands at 333 with Print Storage Printing occurs first
3	Write-Read				NSI	Ap	081	
4	Punch A Card				NSI	Ap	181	
4R	Read-Punch Feed				NSI	dbb	181	
5	Read-Punch				NSI	Ap	181 or 081	Normally B-Add. Reg. is at 181 unless punching is completed first
6	Write-Punch				NSI	Ap	181	
6R	Write-Read Punch Feed				NSI	dbb	181	
7	Write-Read-Punch				NSI	Ap	181 or 081	See remarks for Read-Punch
8	Start Read Feed				NSI	Ap	Bp	
9	Start Punch Feed				NSI	Ap	Bp	
A (A) (B)	Add	B-field word mark	B-field. A-field only if smaller than B-field	Yes	NSI	A-LW	B-LB	Blanks are treated as zeros, unsigned fields are treated as positive
S (A) (B)	Subtract	B-field word mark	B-field. A-field only if smaller than B-field	Yes	NSI	A-LW	B-LB	Same as remark for Add
? (A) (B)	Zero and Add	B-field word mark	B-field. A-field only if smaller than B-field	Yes	NSI	A-LW	B-LB	
! (A) (B)	Zero and Subtract	B-field word mark	B-field. A-field only if smaller than B-field	Yes	NSI	A-LW	B-LB	Can be used with a single address to change sign of field
@ (A) (B)	Multiply		A and B-field	No	NSI	A-LC	B-L of product field	Product in low-order positions of B-field
% (A) (B)	Divide		A-field	No	NSI	A-LA	Tens pos. of quot.	Quotient is developed in high-order position of B-field
B (I)	Branch			No	NSI	BI	BI	The I-address can be followed by a blank without a word mark
B (I) d	Branch if Indicator On			No	NSI	BI	dbb	
B (I) (B) d	Branch If Character Equal			Yes	NSI	BI	B-1	The character at B-address is compared to the d-character
V (I) (B) d	Branch IF WM and/or Zone			Yes	NSI	BI	B-1	Tests character at B for zone and/or WM
D (A) (B)	Move Numerical	Single digit move		Yes	NSI	A-1	B-1	Numeric bits of A moved to B. B zone bits are retained.
L (A) (B)	Load Characters to A-Word Mark	A-field word mark	A-field	Yes	NSI	A-LA	B-LA	B-field word marks are cleared
M (A) (B)	Move Characters to A- or B-Word Mark	First word mark encountered		Yes	NSI	A-LW	Bp-LW	
Y (A) (B)	Move Zone			Yes	NSI	A-1	B-1	Zone bits of A are moved to B. B numeric bits are retained.
Z (A) (B)	Move Characters and Suppress Zeros	A-field word mark		No	NSI	A-LA	B + 1	B-field word marks are cleared
, (A) (B)	Set Word Mark			Yes	NSI	A-1	B-1	Sets word marks in A- and B-address. Data is undisturbed
□ (A) (B)	Clear Word Mark			Yes	NSI	A-1	B-1	Removes the word marks at the A and B location. Data is undisturbed
C (A) (B)	Compare	First word mark encountered	A or B-field	Yes	NSI	A-LW	B-LW	If B field is longer than A field unequal compare results
E (A) (B)	Move Characters and Edit	B-field word mark	A and B-field	No	NSI	A-LA	B-LB	If zero suppression occurs B-Add. Reg. contains location of control zero + 1
F d	Control Carriage			No	NSI	dbb	dbb	