NSTRUCTION	CODE	DESCRIPTION	INSTRUCTION	ORDER CODE	DESCRIPTION
AD K	06.	Add K Adds c(K) to c(A) and stores sum in A.	INHINT	00,0004	Inhibit Interrupt. Sets inhibit interrupt switch in Interrupt Priority Control to prevent interruption of program execution.
ADS E	02.6	Add to Storage E. Adds c(A) and c(E), stores sum with overflow bit in A and sum without overflow bit in E.	LXCH E	02,2	Exchange L and E. Exchanges c(L) with c(E).
AUG E	12.4	Augment E. Increases the magnitude of the quantity	MASK K	07.	Mask with K. AND's c(A) with c(K) and stores logical product in A.
BZF F	11,2	contained in E by one and stores the augmented quantity in E.  Branch on Zero to Fixed F. Branches according	мр к	17.	Multiply K. Multiplies c(K) by c(A) and stores double precision product in A and L (signs in A and L agree).
BZI T	11.4	to C(A)  Transfers to	MSK K	07.	Alternate spelling of MASK K.
	16.0	± 0 F I+1	MSU E	12.0	Modular Subtract E. Subtracts cyclic TWO's complement number in E from cyclic TWO's complement number in A and stores difference
BZMF F	16.2 16.4 16.6	Branch on Zero or Minus to Fixed F. Branches according to c(A). Q COPE PART OF F. ANDRE	1		expressed in ONE's complement number in A.
	10.0	c(A) Transfers to	NDX E	05.0	Alternate spelling of INDEX E.
		PNZ I + 1	NDX K	15. 03,0000	Alternate spelling of INDEX K.
CAK	03.	Clear and Add K. Enters c(K) into A.	NOOP	03,0000	No operation (Erasable); instruction is stored in E memory; CA A.
CAEE	03.	Alternate spelling of ${\Bbb C}{\Bbb A}$ Kwhen referring to ${\Bbb E}$ memory.	NOOP	TCF (I+1)	No operation (Fixed); where I is address of instruction TCF (I+1) stored in F memory.
CAF F	03.	Alternate speeling of CA K when referring to F memory.	ovsk	05, 4000	Overflow skip; TS A.
CCS E	01.0	Count, Compare, and Skip on E. Branches	QXCH E	12.2	Exchange Q and E. Exchanges c(Q) with c(E).
		according to c(E) and stores in A the $ c(E) $ diminished by one. Leaves A=+0 if c(E) = ±0.	RAND H	10.2	Read and AND H. AND's c(A) and c(H) and stores logical product in A.
		c(E)         Transfers to           PNZ         I + 1	READ H	10.0	Read H. Enters c(H) into A.
СОМ	04.0000	1 + 2 NNZ	RELINT	00.0003	Release Inhibit Interrupt. Resets inhibit interrupt switch to allow program interruption in favor of a programmed operation of higher priority.
CS K	04.	Clear and Subtract K. Enters the complemented c(K) into A.	RESUME	05.0017	Resume Interrupted Program. Takes next instruction from location 0017 and enters conto of location 0015 into Z. Thus, execution of
CYL	.0022	Cycle Left. Cycles quantity, which is entered into location 0022, one place to the left.			the interrupted program section is sumed.
CYR	.0020	Cycle Right. Cycles quantity, which is entered into location 0020, one place to the right.	RETURN ROR H	10, 4	Return; TC Q.  Read and OR H. OR's c(A) and c(H), and store
DAS E	02.0	Double Add to Storage E. Adds c(A, L) and c(E, E+1) and stores sum without overflow bit in E and E+1. Enters plus one into A in case of positive overflow, minus one in case of negative overflow, and plus zero in case of no overflow. Enters plus zero into L.	RXOR H	10.6	logical sum in A.  Read and Exclusive OR H. Forms exclusive Of from c(A) and c(H), and stores result in A.
			SR	. 0021	Shift Right. Shifts quantity, which is entered into location 0021, one place to the right.
DCA K	13.	Double Clear and Add K. Enters $c(K,K+1)$ into A and L.	SU E	16.0	Subtract E. Subtracts c(E) from c(A) and stores the difference in A.
DCS K	14.	Double Clear and Subtract K. Enters the complemented c(K, K+1) into A and L.	TCAA	05.4005	Transfer control to address in A; TS Z.
DCOM	14.0000	Double precision complement; DCS A.	TC K	00.	Transfer Control to K. Takes next instruction from K and stores return address (I+1) in Q.
DDOUBL	02.0000	Double precision double; DAS A.	TCF F	01.2	Transfer Control to Fixed F. Takes next
DIM E	12.6	Diminish E. Decreases the magnitude of the quantity contained in E by one and stores	TOP K	01.4	instruction from F without changing c(Q).
DOUBLE	06 0000	diminished quantity in E.	TCR K	00.	Alternate spelling of TCK (Transfer control setting up return.)
DTCB	06.0000	Double A; AD A.  Double precision transfer control both banks;	TS E	05.4	Transfer to Storage E. If A does not contain an overflow quantity, instruction enters c(A)
		DXCH $\dot{Z}$ . Set $c(A, L) = b(Z, BB)$ ; and $c(Z, BB) = b(A, L)$ .			into E and takes next instruction from I+1.  If A contains a positive overflow, instruction enters c(A) without overflow bit into E, enters
DV E	11.0	Divide by E. Divide double precision quantity $c(A, L)$ by $c(E)$ , stores quotient in A and remainder in L. Signs of $b(A)$ and $b(L)$ need not agree. Sign of remainder equals sign of dividend.			plus one into A, and takes next instruction from I+2. If A contains a negative overflow, instruction enters c(A) without overflow bit into E, enters minus one into A, and takes next instruction from I+2.
DXCH E	05.2	Double Exchange A and E. Exchanges $c(A, L)$ with $c(E, E+1)$ .	WAND H	10,3	Write and AND H. AND's c(A) and c(H), and stores logical product in A and H.
EDOP	.0023	Edit Operator. Shifts quantity, which is entered into location 0023, seven places to the right.	WOR H	10.5	Write and OR H. OR's c(A) and c(H), and storlogical sum in A and H.
EXTEND	0.0006	Extend. Enters a ONE into bit position SQ-EXT. The next instruction, taken from I+1, is an Extra-Code Instruction.	WRITE H	10.1	Write H. Enters c(A) into H.
INCR E	02.4	Increment E. Adds plus one to c(E) and stores incremented quantity in E.	XCH E	05.6	Exchange A and E. Exchanges c(A) with c(E).  Zero L; LXCH ZERO
INDEX E	05.0	Index Next Basic Instruction with E. Adds c(E) to c(H-1) and takes sum as next instruction.	zQ	12.2007	Zero Q; QXCH ZERO
INDEX K	15,	Index Next Extra-Code Instruction with K. Adds			