A Summary of Operations in Operation-Code Order

									INSTR.FORMAT			OPERATION					
1	MIX Alphan	ner	ic	Со	de	s				±	AA	l F	С	ABR		NAME	
SYMBOL		CODE								±	aaaa	i L:R	00	NOP	0	NO OPERATION	
	Computer								±	aaaa	i L:R	01	ADD	0:5	ADD		
MIX	and				an	_			Punch	<u>±</u>	aaaa	i 06	01	FADD	0.5	FLOATING ADD F	
and	Magnetic		г		an	116		Н	FullCil	<u>±</u>	aaaa	i L:R	02	SUB	0:5	SUBTRACT	
Printer	Tape	x	lo	c	8	4	2	1	Card	±	aaaa	i 06 i L:R	02 03	FSUB MUL	0:5	FLOATING SUBTRACT F MULTIPLY	
(Space)	00	Ť	Ť	V	Ť	Ė		Ē	(Blank)	± ±	aaaa aaaa	i 06	03	FMUL	0.5	FLOATING MULTIPLY F	
A	01	Х	0	Ė		\vdash	Н	1	12 1	\pm	aaaa	i L:R	04	DIV	0:5	DIVIDE	
В	02	X	0				2	÷	12 2	\pm	aaaa	i 06	04	FDIV	0.0	FLOATING DIVIDE F	
C	03	X	0			Н	2	1	12 3	\pm	aaaa	i 00	05	NUM		CONVERT TO NUMERIC	
$\frac{D}{D}$	03	X	0	· ·		4	۲	∸	12 4	±	aaaa	i 01	05	CHAR		CONVERT TO CHARACTERS	
E	05	$\frac{\lambda}{X}$	0		H	4	Н	1	12 5	±	aaaa	i 02	05	HLT		HALT	
F	06	$\frac{\wedge}{X}$	0	\ √	Н	4	2	_	12 6	±	aaaa	i 03	05	AND		LOGICAL PRODUCT B	
G	07	$\frac{\wedge}{x}$	0	ľ	Н	4	2	1	12 7	± ±	aaaa	i 04 i 05	05 05	OR XOR	_	LOGICAL SUM B LOGICAL DIFFERENCE B	
Н	10	X	0		8	4	-	_	12 8	±	aaaa aaaa	i 06	05	FLOT	-	FIXED TO FLOAT F	
	11	\hat{x}	0		8	\vdash	Н	1	12 8	\pm	aaaa	i 07	05	FIX		FLOATING TO FIXED F	
$\frac{1}{\Delta}$	12	_	0	$\sqrt{}$	0	⊢	Н	ᆜ	12 9	\pm	aaaa	i 10	05	NEG		LOGICAL NEGATION B	
		X	U	ı,		H	Н	1		\pm	aaaa	i 11	05	INT		INTERRUPT I	
J	13	X		1			Ļ	1	11 1	±	aaaa	i 12	05	XCH		EXCHANGE A AND X B	
K	14	X	⊢	√	H	⊢	2	1	11 2	±	aaaa	i 13	05	XEQ		EXECUTE M	
L	15	X	L			_	2	1	11 3	±	aaaa	i 00	06	SLA		SHIFT LEFT A	
M	16	Х	L	1		4	Ш	_	11 4	Ξ	aaaa	i 01 i 02	06 06	SRA SLAX		SHIFT RIGHT A SHIFT LEFT AX	
N	17	Х	L			4	Ļ	1	11 5	± ±	aaaa aaaa		06	SRAX		SHIFT RIGHT AX	
0	20	Χ		Ι,		4	2		11 6	\pm		i 04	06	SLC		SHIFT LEFT AX CIRCULARLY	
P	21	Х	L		Ш	4	2	1	11 7	\pm	aaaa	i 05	06	SRC		SHIFT RIGHT AX CIRCULARLY	
Q	22	X	L	1	8		Ш	Ц	11 8	±	aaaa	i 06	06	SLB		SHIFT LEFT LOGICAL AX B	
R	23	Χ			8			1	11 9	±	aaaa	i 07	06	SRB		SHIFT RIGHT LOGICAL AX B	
Σ	24	Х	L	L					11	±	aaaa	i N	07	MOVE	1	MOVE WORDS	
П	25		0					1	0 1	±	aaaa				0:5	LOAD	
S	26		0				2		0 2	±	aaaa				_	LOAD r NEGATIVE	
Т	27		0				2	1	0 3	<u>±</u>	aaaa	i L:R			0:5 0:2	STORE	
U	30		0			4			0 4	± ±	aaaa aaaa	i L:R i L:R	40 41	STJ STZ	0:5	STORE J STORE ZERO	
V	31		0			4		1	0 5	\pm	aaaa	i U	42	JBUS	0.5	JUMP BUSY	
W	32		0			4	2		0 6	±	aaaa	i U	43	IOC	0	I/O CONTROL	
X	33		0			4	2	1	0 7	±	aaaa	i Ü	44	IN	0	INPUT	
Υ	34		0		8				0 8	±	aaaa	i U	45	OUT	0	OUTPUT	
Z	35		0		8			1	0 9	±	aaaa	i U	46	JRED	0	JUMP READY	
0 (Zero)	36				8	Г	2		0	<u>±</u>	aaaa	i 00	47	JMP		JUMP	
1	37							1	1	_	aaaa		47	JSJ JOV		JUMP SAVE J	
2	40						2		2		aaaa		47	JNOV	_	JUMP ON OVERFLOW JUMP ON NO OVERFLOW	
3	41					П	2	1		-	aaaa	i 04	47	JL	_	JUMP ON LESS	
4	42			Ė		4	П		4		aaaa	i 05	47	JE		JUMP ON EQUAL	
5	43					4		1	5		aaaa	i 06	47	JG		JUMP ON GREATER	
6	44		H	1	Н	4	2	Ē	6		aaaa		47	JGE		JUMP ON GREATER-OR-EQUAL	
7	45		H	Ė	H	4	2	1	7		aaaa		47	JNE		JUMP ON UNEQUAL	
8	46		\vdash	\vdash	8	۲	Ħ	Ħ	8	<u>±</u>	aaaa	i 11	47 50 - [r]	JLE	<u> </u>	JUMP ON LESS-OR-EQUAL	
9	47		H		8	Н	Н	1	9	<u></u>	aaaa	i 00	50+[r] 50+[r]		<u> </u>	JUMP r NEGATIVE JUMP r ZERO	
	50	Х	0	Ť	8		2		12 3-8	±	aaaa	i 01	50+[r]		-	JUMP r POSITIVE	
· ·	51	X	0			4	Ħ	Ħ	12 4-8	\pm	aaaa	i 03		J[r]NN	\vdash	JUMP r NONNEGATIVE	
,	52	$\frac{\hat{x}}{x}$	0	Ļ		4	Н	1	12 5-8	_	aaaa	i 04	50+[r]	J[r]NZ		JUMP r NONZERO	
	53	x	0	\vdash		4	2	H	12 6-8	_	aaaa	i 05	50+[r]	J[r]NP		JUMP r NONPOSITIVE	
+	54	<u>^</u>	۲		8		2	1	11 3-8	\pm	aaaa	i 06	50+[r]	J[r]E		JUMP r EVEN B	
	55	\hat{x}	\vdash	<u> </u>	_	4	Н	H	11 / ₋ 0	±	aaaa	i 07	50+[r]			JUMP r ODD B	
*	56	<u>^</u>	\vdash			4	Н	1	11 4-8 11 5-8	÷	aaaa	1 00	60+[r]		<u> </u>	INCREASE r	
	57	<u>^</u>	\vdash	\ √	_	4	2	出	11 5-8 11 6-8	±	8888	i 01 i 02	60±[r] 00+[r]	DEC[r] ENT[r]	 	DECREASE r ENTER r	
		^	_	,	8	4	2	$\frac{1}{1}$	TT 0-8	±	aaaa	i 02	60+[r]	ENT[r]	-	ENTER NEGATIVE r	
=	60	-	0	1	_	_	싵	븨			aaaa			CPM[r]		COMPARE r WITH M M	
\$	61	<u> </u>	0	-		4	Н	\square	0 4-8	$\overline{}$	aaaa			CMP[r]		COMPARE r	
<	62	L	0		8		Ļ	1	0 5-8	+	aaaa		70	FCMP		FLOATING COMPARE B	
>	63		0			4		Ļ	0 6-8	[r]:	rA=0, r	11, rl2,			X=7,	i: I1:I2, 7 is indirect addressing	
@	64	L	\vdash	Ĺ.,	8	Ļ	2	1	3-8	В	binary	MIX			Ĭ	Ç	
;	65			1	_	4	Ш	Ц	4-8	F	Floatir	ng-poi	nt atta	chment			
:	66	L	$ldsymbol{f eta}$	_		4	Ц	1	5-8	- 1	interrupt facility						
'	67				8	4	2		6-8		Mixma		-,				