	MIX Alphameric Codes											MIX						
SYMBOL	CODE										A Summary of Operations in Operation-Code Order							
	Computer										INSTR.FORMAT			OPERA		ATION		
MIX	and		Channel			Punc	h	Ξ		l F	С	ABR		NAME				
and	Magnetic								Care	4	_		i L:R		NOP	0	NO OPERATION	
Printer	Tape	X	0	С	8	4	2	1	Card	_	± ±		i L:R i 06	01	ADD FADD	0:5	ADD FLOATING ADD	
(Space)	00			٧					(Bla	nk)	<u>+</u>		i 07	01	OR		LOGICAL SUM	
A	01	Х	0		L	L	Ш	1	12	_1	±	0.0.0.0.	i L:R	_	SUB	0:5	SUBTRACT	
B	02	Х	0	/		L	2		12	2	±	aaaa	i 06	02	FSUB		FLOATING SUBTRACT	
<u>C</u>	03	Х	0	√	L	Ļ	2	1	12	3	±		i 07	02	XOR		LOGICAL DIFFERENCE	
<u>D</u>	04	X	0	./	L	4		_	12	4	<u>±</u>	0.0.0.0.	i L:R	03	MUL FMUL	0:5	MULTIPLY	
<u>E</u>	05	X	0	ν 1/		4		1	12	5	_	aaaa aaaa	i 06 i 07	03	AND		FLOATING MULTIPLY LOGICAL PRODUCT	
F G	06 07	X	0	√	┢	4	2	1	12 12	<u>6</u> 7	_	aaaa	i L:R		DIV	0:5	IDIVIDE	
<u>- </u> Н	10	<u>^</u> X		_	8	4	_	_	12	8	_		i 06	04	FDIV	-	FLOATING DIVIDE	
	11	x		V	8	┝	Н	1	12	<u> </u>	±	aaaa	i 00	05	NUM		CONVERT TO NUMERIC	
<u> </u>	12	x	0	√	۴	┝	Н	╧	12	9	±		i 01	05	CHAR		CONVERT TO CHARACTERS	
<u>J</u>	13	X	۲	V	H	H	H	1	11	1	_	aaaa	i 02	05	HLT		HALT	
K	14	X		V	H	H	2	_	11	2	±	aaaa aaaa	i 07 i 10	05 05	INT NEG		INTERRUPT LOGICAL NEGATION	
L	15	X				H		1	11	3	_	aaaa	i 11	05	XCH		EXCHANGE A AND X	
	16	Х		√	T	4			11	4	_	aaaa	i 00	06	SLA		SHIFT LEFT A	
N	17	Х			Г	4		1	11	5	_	aaaa	i 01	06	SRA		SHIFT RIGHT A	
0	20	Х			Г	4	2		11	6		aaaa	i 02	06	SLAX		SHIFT LEFT AX	
<u>—</u> Р	21	Х		√		4	2	1	11	7	_	aaaa	i 03	06	SRAX		SHIFT RIGHT AX	
Q	22	Х		√	8	Г			11	8		aaaa	i 04	06	SLC		SHIFT LEFT AX CIRCULARLY	
R	23	Х			8			1	11	9	±	aaaa	i 05 i 06	06 06	SRC SLB	_	SHIFT RIGHT AX CIRCULARLY SHIFT LEFT LOGICAL AX	
Σ	24	Х							11		$\frac{\pm}{\pm}$		i 07	06	SRB	_	SHIFT RIGHT LOGICAL AX	
П	25		0						0	1		aaaa	i N	07	MOVE	1	MOVE WORDS	
S	26		0	V			2		0	2	±		i L:R	_	LD[r]	0:5	LOAD	
Т	27		0				2	1	0	3	±	aaaa		20+[r]		0:5	LOAD r NEGATIVE	
U	30		0	V		4			0	4	_	aaaa		30+[r]		0:5	STORE	
V	31		0			4		1	0	5	_		i L:R		STJ	0:2	STORE J	
W	32		0	Ļ	L	4	2		0	6		aaaa aaaa	i L:R i U	41	STZ JBUS	0:5	STORE ZERO JUMP BUSY	
X	33		0	√	L	4	2	1	0	7		aaaa	i U	43	IOC	0	I/O CONTROL	
Y	34	L	0	√	8	L	Ш		0	8	_	aaaa	i U	44	IN	0	INPUT	
Z	35	L	0	_	8	╙	Ш	1	0	9	±		i Ü	45	OUT	0	ОИТРИТ	
0 (Zero)	36	L	L	√	8	┡	2	_	0		±	aaaa	i U	46	JRED	0	JUMP READY	
1	37	_		_	┡	┡		1		$\frac{1}{2}$	±	0.0.0.0.	i 00	47	JMP		JUMP	
2	40		H	./	H		2	_			_	aaaa		47	JSJ		JUMP SAVE J	
3	41			√	L	ļ.,	2	1		3	_	aaaa aaaa	i 02 i 03	47 47	JOV JNOV		JUMP ON OVERFLOW JUMP ON NO OVERFLOW	
4	42	-	┝	1/	┝	4	Н	1		_4	_	aaaa		47	JL		JUMP ON LESS	
5	43			√	┝	4	2	1		5	_	aaaa	i 05	47	JE		JUMP ON EQUAL	
<u>6</u> 7	44	H	\vdash	Ľ	┝	4		1		<u>6</u> 7	±	aaaa	i 06	47	JG		JUMP ON GREATER	
8	45 46	Н	H	H	8	4	_	_		_	±	aaaa	i 07	47	JGE		JUMP ON GREATER-OR-EQUA	
9	47	Н		V	8	⊢	Н	1		<u>8</u> 9	_	aaaa	i 10	47	JNE		JUMP ON UNEQUAL	
	50	Х	0	_	8	┢	2	_	12 2	_	_	aaaa	i 11	47	JLE		JUMP ON LESS-OR-EQUAL	
.	51	X		Ė	8			1	12 3			aaaa aaaa	i 00 i 01	50+[r] 50+[r]			JUMP r NEGATIVE JUMP r ZERO	
	52	X		V		4	۲	┪	12			aaaa		50+[r]			JUMP r POSITIVE	
	53	X		Ė		4	Н	1	12 !			aaaa		50+[r]			JUMP r NONNEGATIVE	
+	54	X				4	2	Ť	12			aaaa		50+[r]			JUMP r NONZERO	
<u> </u>	55	X			8	Ť	2	1	12		±	aaaa	i 05	50+[r]	J[r]NP		JUMP r NONPOSITIVE	
*	56	X	Ť		8	\vdash	2	_		2-8	±	aaaa		50+[r]			JUMP r EVEN	
	57	X	T	√	8	Г	2	1	11 3		_±	aaaa	i 07	50+[r]			JUMP r ODD	
=	60	X				4		Ħ	11 4			aaaa		60+[r]			INCREASE r	
\$	61	X	Г	√		4	П	1	11 !		±	aaaa aaaa	i 01	60+[r] 60+[r]			DECREASE r ENTER r	
	62	X		√		4	2	Ť	11 (_	aaaa		60+[r]			ENTER NEGATIVE r	
>	63	X	Г		8			1	11			aaaa		70+[r]			COMPARE r	
@	64	Г	0		8		2	П	0 :	2-8	±	aaaa	i 06	70	FCMP		FLOATING COMPARE	
;	65		0	√	8		2	1	0:	3-8	[r]: rA=0,	rl1, rl	2, rl3, r	l4, rl5, rl	6, rX=	=7	
:	66		0			4			0 4	4-8								
	67		0	√		4		1		<u>5-8</u>								