	MIX Alphai	ne	ric	С	od	es				MIX						
SYMBOL		CODE								A Summary of Operations in					·	
	Computer	Paper Tape					Эе			INSTR					ATION	
MIX	and		Channel				<u> </u>		Punch	± AA		С	ABR		NAME	
and	Magnetic								Card	± aaaa		00	NOP		NO OPERATION	
Printer	Tape	X	0	С	8	4	2	1		± aaaa		01		0:5	ADD	
(Space)	00	L	L	٧	L		L	Ц	(Blank)	± aaaa		01	FADD	0.5	FLOATING ADD	
A	01	X	_	L	L		Ļ	1	12 1	± aaaa		02		0:5	SUBTRACT	
B	02	X	0	./	L		2	$\perp$	12 2	± aaaa		02	FSUB	0 =	FLOATING SUBTRACT	
<u>C</u>	03	X	0	√	H	_	2	1	12 3	± aaaa		03		0:5	MULTIPLY	
	04	X	0	V		4		1	12 4	± aaaa		03	FMUL	0.5	FLOATING MULTIPLY	
<u>E</u>	05	X	0	v √		4	2	1	12 5 12 6	± aaaa		04	DIV	0:5	DIVIDE	
— <u>F</u>	06 07	X X	0	ľ	H	4	_	1	12 6 12 7	± aaaa	i 06	04	FDIV		FLOATING DIVIDE	
— <u>G</u>	10	X	0	⊢	8	4	_	H	12 8	± aaaa		05	NUM		CONVERT TO NUMERIC	
	11	X	0		8	_	H	1	12 9	± aaaa	i 01	05	CHAR		CONVERT TO CHARACTERS	
$\frac{1}{\Delta}$	12	X	0	√	٦		Н	曲	12 9	± aaaa	i 02	05	HLT		HALT	
	13	X	۲	V	Н	_	Н	1	11 1	± aaaa	i 07	05	INT		INTERRUPT	
— K	14	X		V			2	Ė	11 2	± aaaa	i 00	06	SLA		SHIFT LEFT A	
<u></u>	15	X					_	1	11 3	± aaaa	i 01	06	SRA		SHIFT RIGHT A	
	16	X		√	H	4	Ē		11 4	± aaaa		06	SLAX		SHIFT LEFT AX	
N	17	X			Г	4	П	1	11 5	± aaaa	i 03	06	SRAX		SHIFT RIGHT AX	
0	20	Х			Г	4	2		11 6	± aaaa		06	SLC		SHIFT LEFT AX CIRCULARLY	
P	21	Х		√	Г	4	-	1	11 7	± aaaa	i 05	06	SRC		SHIFT RIGHT AX CIRCULARLY	
Q	22	Х		√	8				11 8	± aaaa		07	MOVE		MOVE WORDS	
R	23	Х			8			1	11 9	± aaaa	i L:R	10+[r]			LOAD	
Σ	24	Χ							11	± aaaa	i L:R	20+[r]	LD[r]N	0:5	LOAD r NEGATIVE	
П	25		0						0 1	± aaaa	i L:R	30+[r]	ST[r]	0:5	STORE	
S	26		0				2		0 2	± aaaa	i L:R	40	STJ	0:2	STORE J	
Т	27		0				2	1	0 3	± aaaa	i L:R	41	STZ	0:5	STORE ZERO	
U	30		0	√		4			0 4	± aaaa	i U	42	JBUS	0	JUMP BUSY	
V	31		0			4		1	0 5	± aaaa	i U	43	IOC	0	I/O CONTROL	
W	32		0	Ļ	L	4	2		0 6	± aaaa	i U	44	IN	0	INPUT	
X	33		0	V	L	4	2	1	0 7	± aaaa	i U	45	OUT	0	OUTPUT	
<u>Y</u>	34	L	0	٧	8			Ц	0 8	± aaaa	i U	46	JRED	0	JUMP READY	
<u>Z</u>	35	L	0	7	8		L	1	0 9	± aaaa	i 00	47	JMP		JUMP	
<u>0 (Zero)</u>	36	L		٧	8	_	2	Ļ	0	± aaaa	i 01	47	JSJ		JUMP SAVE J	
1	37	L		H	H	_	Ļ	1	1	± aaaa	i 02	47	JOV		JUMP ON OVERFLOW	
2	40			V			2	1	2	± aaaa	i 03	47	JNOV		JUMP ON NO OVERFLOW	
3	41 42			V		4	_	T	3 4	± aaaa	i 04	47	JL		JUMP ON LESS	
<del>4</del> 5	43	-	H	V	H	4	H	1	5	± aaaa	i 05	47	JE		JUMP ON EQUAL	
6	43	-		√	H	4	2	_	6	± aaaa	i 06	47	JG		JUMP ON GREATER	
7	45	Н	H	١	⊢		2	1	7	± aaaa	i 07	47	JGE		JUMP ON GREATER-OR-EQUA	
8	46	Н	H	H	8	<del>-</del>	É	Ė	8	± aaaa	i 10	47	JNE		JUMP ON UNEQUAL	
9	47	Г		√	8			1	9	± aaaa	i 11	47	JLE		JUMP ON LESS-OR-EQUAL	
	50	Х	0	_	8		2		12 2-8		i 00	50+[r]	J[r]N		JUMP r NEGATIVE	
	51		0		8		2	1		± aaaa	i 01	50+[r]	J[r]Z		JUMP r ZERO	
	52		0	√	8	4				± aaaa	i 02	50+[r]	J[r]P		JUMP r POSITIVE	
<u> </u>	53		0		8	4		1		± aaaa		50+[r]	J[r]NN		JUMP r NONNEGATIVE	
+	54	Х				4	2		12 6-8	± aaaa	i 04	50+[r]	J[r]NZ		JUMP r NONZERO	
-	55	Χ	0		8		2	1	12 7-7	± aaaa	i 05	50+[r]	J[r]NP		JUMP r NONPOSITIVE	
*	56	Χ			8		2		11 2-8	± aaaa	i 00	60+[r]	INC[r]		INCREASE r	
	57	Х	Ĺ	√	8		2	1	11 3-8		i 01	60+[r]			DECREASE r	
=	60	Χ				4			11 4-8	± aaaa	i 02	60+[r]	ENT[r]		ENTER r	
\$	61	Х	Ĺ	V		4	$\Box$	1	11 5-8	± aaaa		60+[r]			ENTER NEGATIVE r	
<	62	Х		√		4			11 6-8			70+[r]			COMPARE r	
>	63	Х	_	$oxedsymbol{oxed}$		4		1	11 7-8	± aaaa		70	FCMP		FLOATING COMPARE	
@	64	L	0	Ļ	8		2	Ц	0 2-8	[r]: rA=0,						
;	65	L	0	٧	8		2	1	0 3-8	[-], ( 0,	, 112	_,, 11	,,	-, ., .	-	
<u>:</u>	66		0	,		4	L	Ц	0 4-8							
	67	<u> </u>	0	√	8	4		1	0 5-8							