phameric Codes	
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	MIX Alphar	ric	С	od	es))	MIX								
SYMBOL		CODE								A Summary of O					perations in Operation-Code Order			
	Computer	Paper Tape						_	INSTR					TION				
MIX	and		(Ch	an	ne	1		Punch	-	7 17 1	I F		С	ABR		NAME	
and	Magnetic							Ш	Card	_	± aaaa			00	NOP	0	NO OPERATION	
Printer	Tape	Х	0		8	4	2	1		_		i L:R		01	ADD	0:5	ADD	
(Space)	00	L	L	٧	L	L	L	Ц	(Blank)	_	0.0.0.	i 06		01	FADD	_	FLOATING ADD	
A	01	Х	_	L	┡	L	L	1	12 1	_	± aaaa			02	SUB	0:5	SUBTRACT	
B	02	Х	0	,	-		2	Ц	12 2	_	± aaaa			02	FSUB	_	FLOATING SUBTRACT	
<u>C</u>	03	Х	0	٧	┝	١.	2	1	12 3	_	0.0.0.0.	i L:R		03	MUL	0:5	MULTIPLY	
<u>D</u>	04	X	0	1/	┡	4	L		12 4	_	± aaaa			03	FMUL		FLOATING MULTIPLY	
<u>E</u>	05	X	0	√	┝	4	_	1	12 5	_		i L:R		04	DIV	0:5	DIVIDE	
F	06 07	X X	0	<u> </u>	┝	4	_	1	12 6 12 7	_	± aaaa	i 06		04	FDIV		FLOATING DIVIDE	
<u> Н</u>	10	Ŷ	0	H	8	4	-	H	12 8	-	± aaaa			05	NUM		CONVERT TO NUMERIC	
	11	x	0	V	8	┢	H	1	12 9	-	± aaaa	i 01		05	CHAR		CONVERT TO CHARACTERS	
$\frac{1}{\Delta}$	12	Ŷ	_	√	۴	\vdash	\vdash	H	12 9	-	± aaaa	i 02		05	HLT		HALT	
	13	X	۲	v	H			1	11 1	-	± aaaa			06	SLA		SHIFT LEFT A	
— K	14	X		V	H		2	Ħ	11 2	-	± aaaa	i 01		06	SRA		SHIFT RIGHT A	
<u>``</u>	15	X	_	Ė	H		2	1	11 3		± aaaa	i 02		06	SLAX		SHIFT LEFT AX	
	16	X	T	V	T	4	Ť	Ħ	11 4	_	± aaaa			06	SRAX		SHIFT RIGHT AX	
N	17	Х	T	Т	T	4	Т	1	11 5		± aaaa	i 04		06	SLC		SHIFT LEFT AX CIRCULARLY	
0	20	Х			T	4	2	П	11 6	-	± aaaa			06	SRC		SHIFT RIGHT AX CIRCULARLY	
P	21	Х		√	Γ	4	2	1	11 7	_	± aaaa			07	MOVE		MOVE WORDS	
Q	22	Χ		√	8			П	11 8	_	± aaaa			0+[r]		0:5	LOAD	
R	23	Χ			8			1	11 9	_	± aaaa			0+[r]	LD[r]N	-	LOAD r NEGATIVE	
Σ	24	Χ							11	-	± aaaa			0+[r]	ST[r]	0:5	STORE	
П	25	L	0	Ļ	L			Ц	0 1	_		i L:R		40	STJ	0:2	STORE J	
S	26	L	0	√	L	L	2	Ц	0 2	_	± aaaa	i L:R		41	STZ	0:5	STORE ZERO	
T	27	L	0	_			2	1	0 3	_	± aaaa	i U		42	JBUS	0	JUMP BUSY	
U	30		0	٧		4		Ш	0 4	-		i U		43	IOC	0	I/O CONTROL	
V	31	L	0		┡	4	Ļ	1	0 5	_	0.0.0.0.	i U		44	IN	0	INPUT	
<u>W</u>	32	┡	0	./	┡	4	_	H	0 6	_	± aaaa	i U		45	OUT	0	OUTPUT	
X	33	┡	0	٧	۱	4	2	1	0 7		± aaaa	i U		46	JRED	0	JUMP READY	
Y 7	34	┡	0	٧	8	⊢			0 8	_	0.0.0.0.	i 00		47	JMP		JUMP	
$\frac{Z}{O(7ara)}$	35 36	┢	10	1/	8	H	2	1	0 9	_	± aaaa	i 01		47	JSJ		JUMP SAVE J	
0 (Zero) 1	37	┢	┢	Ľ	۴		-	1	1	_	± aaaa			47	JOV		JUMP ON OVERFLOW	
2	40	┢			\vdash		2	H	2	_	± aaaa			47	JNOV		JUMP ON NO OVERFLOW	
3	41	┢	H	V	┢	H		1	3	_	± aaaa			47	JL		JUMP ON LESS	
4	42	┢	┢	Ė	┢	4	_	H	4	_	± aaaa			47	JE		JUMP ON EQUAL	
5	43	H	H	V	H	4	_	1	5	_	± aaaa			47	JG		JUMP ON GREATER	
6	44	r	T	√	T	_	2	Ħ	6	_	± aaaa			47	JGE		JUMP ON GREATER-OR-EQUAL	
7	45	Г	T	T	T		2	1	7	_	± aaaa			47	JNE		JUMP ON UNEQUAL	
8	46	Г	Γ	Г	8	Ė	Ť	П	8	_	± aaaa			47	JLE		JUMP ON LESS-OR-EQUAL	
9	47		Γ	√	8			1	9	_	± aaaa			0+[r]			JUMP r NEGATIVE	
	50	Χ	0	V	8		2		<u>12</u> 2-8	_	± aaaa	i 01		0+[r]			JUMP r ZERO	
,	51	Х	_		8		2	1	12 3-8	_	± aaaa	i 02		0+[r]			JUMP r POSITIVE	
	52	Χ	0	V	8				12 4-8	_	± aaaa	i 03		0+[r]			JUMP r NONNEGATIVE	
)	53	Χ			8	4		1			± aaaa			0+[r]			JUMP r NONZERO	
+	54		0		8	4					± aaaa			0+[r]			JUMP r NONPOSITIVE	
	55		0	Ĺ	8	Ĺ	2	1		_	± aaaa			0+[r]			INCREASE r	
*	56	Х		Ĺ,	8	_	2	Ц		_	± aaaa			0+[r]			DECREASE r	
	57	Х	_	٧	8			1			± aaaa			0+[r]			ENTER r	
=	60	Х	_	,	-	4	_	Ц			± aaaa			0+[r]			ENTER NEGATIVE r	
\$	61	Х	_	V	8	4		1	11 5-8	_	± aaaa	i L:R	70	0+[r]	CMP[r]	0:5	COMPARE r	
<	62	Х		√	8		2	Ц	11 6-8		± aaaa	i 06		70	FCMP		FLOATING COMPARE	
>	63	Х	_	$oxed{oxed}$	8	4	2	1	11 7-8	_			2, r	rl3, rl	4, rl5, rl6	3, rX=	7	
@	64	L	0	,	8	L	2	Ц	0 2-8		,	•	•	•		•		
;	65	L	0	٧	8	_	2	1	0 3-8									
<u>:</u>	66	L	0	ļ ,	-	4	lacksquare	Ц	0 4-8									
	67	i i	10	ı۷	l8	ı 4	ı	ı 1 l	0.5-8									

0 5-8