

Appendix I Symbolic Operation Codes

Unisap	CLO	Notes	Motivation
ADD	A-		Add
ADF	AF	3,5	Add (Field)
ADH	AH	3,5	Add Hold
LDA	BØ		Load A
LAF	BF	3,5	Load A (Field)
STC	CØ		Store Clear
DIV	D-		Divide
DIF	DF	3,5	Divide (Field)
EXT	EØ		Extract
EXF	EF	3,5	Extract (Field)
LDF	FØ		Load F
STF	GØ		Store F
STH	HØ		Store Hold
STL	IØ	5	Store L
STX	JØ		Store X
KAL	KØ		Clear A to L
LDL	LØ		Load L
LLF	LF	3,5	Load L (Field)
MPY	M-		Multiply
MPF	MF	3,5	Multiply (Field)
NMP	N-		Negative Multiply
NMF	NF	3,5	Negative Multiply (Field)
PMP	P-		Precision Multiply
PMF	PF	3,5	Precision Multiply (Field)
TRE	QØ		Transfer Equal
REX	RØ		Record Exit
SUB	S-		Subtract
SUF	SF	3,5	Subtract (Field)
SUH	SH	3,5	Subtract Hold
TRG	TØ		Transfer Greater
TRU	UØ		Unconditional Transfer
LDV	V2	1	Load V
STV	W2	1	Store V
LDW	VA	2	Load W
STW	WA	2	Store W
ADX	X-		Add X
LDY	Y1	1,4	Load Y
STY	Z1	1,4	Store Y
LDZ	YA	2	Load Z
STZ	ZA	2	Store Z
SKP	ØØ	3	Skip
ASR	.Δ		Alphabetic Shift Right
ASL	;Δ		Alphabetic Shift Left
NSR	-Δ		Numeric Shift Right
NSL	ØΔ		Numeric Shift Left
LIF	1Δ		Load I Forward
LIB	2Δ		Load I Backward
SIF	3Δ	4	Store I, (Read) Forward
SIB	4Δ	4	Store I, (Read) Backward
WHI	5Δ	4	Write High Density
RWT	6Δ		Rewind Tape
WLO	7Δ	4	Write Low Density
RWS	8Δ		Rewind, Set Interlock
KEY	1Ø	3	Keyboard
STI	3Ø	3,4	Store I
TYP	5Ø	3	Type (writer)
HLT	9Ø		Halt
BRK	,Ø		Breakpoint

Explanation of Notes

1. Univac I operation code only
2. Univac II operation code only
3. Tag is ignored
4. If Univac I set units address digit to zero
5. Admissible when programming both Univac I and II for the benefit of augmented Univac I users.