

IBM

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Form X24-1350-1
Printed in U.S.A.

Program _____

Programmed by Bresnahan

INTERNATIONAL BUSINESS MACHINES CORPORATION

Date _____

IBM 1401 AND 1410 DATA PROCESSING SYSTEMS

Identification _____

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AUTOCODER CODING SHEET

Line	Label	Operation	OPERAND
3	56	15 16 20 21	25 30 35 40 45 50 55 60 65 70
0.1	KCFILE	C	KFILE, KFCT
0.2		BL	KFCTL, KFCT LESS THAN KFILE
0.3		BH	KFCTG, KFCT GTR THAN KFILE
0.4		A	*-6, KFCT
0.5			
0.6		MCW	KMARK, KSYM
0.7		MCW	KPENUP, KPEN
0.8		BCE	KBC, KAXIS, * Q. SAME AXIS
0.9		MCW	@R@, KPEN SET RESTORE
1.0			
1.1	KBC	BCE	KHIST, KTYPE, H Q. HISTOGRAM
1.2	KGØRED	B	RREAD, ØØ READ TAPE
1.3		BCE	KØF, HEADC, * Q. END ØF FILE
1.4		BCE	KPLUS, KSRP, * Q. ACCEPTING + AS PEN UP REQUEST
1.5	*	***	ØØ DECODE AND SCALE X
1.6	KCALLX	MCW	KXEXP, JEXPC
1.7		MCW	KXJCL
1.8		MCW	KXLØC
1.9		MCW	KXFØRM
2.0		B	DECODE
2.1		A	KXØFF, JANS ADD. X ØFFSET
2.2		BM	KXNEG, JANS Q. X NEGATIVE
2.3			
2.4			
2.5			
	KPENUP	DCW	@9@
	KPENDW	DC	@Ø@
115		MCW	@ØØØ@, HEADC
116		MCW	@ØØØ@, DATAC

8.20

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Line	Label	Operation	OPERAND
3 5 6	15 16	20 21	25 30 35 40 45 50 55 60 65 70
0.1			
0.2		C	JANS, KXMAX
0.3		BL	KNXMAX NEW XMAX
0.4		C	JANS, KXMIN
0.5		BH	KNXMIN NEW XMIN
0.6	KSTORX	MCW	JANS, KX STORE X
0.7		BCE	KHISTG, KTYPE, H Q. HISTOGRAM
0.8	X	***	SO DECODE AND SCALE Y
0.9	KSOBY	MCW	KYEXP, JEXPC
1.0		MCW	
1.1		MCW	
1.2		MCW	
1.3		B	DECODE
1.4		A	KYOFF, JANS ADD. Y. OFFSET
1.5		BM	KYNEG, JANS Q. Y. NEGATIVE
1.6		C	JANS, KYMAX
1.7		BL	KNYMAX NEW YMAX
1.8		C	JANS, KYMIN
1.9		BH	KNYMIN NEW YMIN
2.0	KSTORY	MCW	JANS, KY STORE Y
2.1		B	INHIBIT LINE 13 SO INHIBIT PLOT WORD
2.2		MCW	KPENUP, KPEN
2.3		BCE	KGORED, KTYPE, P Q. POINT PLOT
2.4		MCW	KPENDW, KPEN
2.5		B	KGORED



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Line	Label	Operation	OPERAND
3 56		15 16 20 21 25 30 35 40 45 50 55 60 65 70	
0.1			
0.2	KLAST	MCW	+3000, KX
0.3		ZAL	@0000, KY
0.4		MCW	KPENUP, KPEN
0.5		MCW	@ @, KSYM
0.6		B	INHIBT
0.7		MCW	@W0, KPEN
0.8		MCM	KSTOP-8, KPEN+1
0.9		B	INHIBT
1.0		H	KREAD
1.1			
1.2	KFCTL	RT	RTAPE, RBUF SEARCH FORWARD
1.3		BEF	KFCTLE
1.4		B	KFCTL
1.5	KFCTLE	BCE	*+5, RBUF, V
1.6		B	KFCTL
1.7		A	*-6, KFCT
1.8		B	KCFILE
1.9			
2.0	KFCTG	RWD	RTAPE SEARCH BACK BY REWIND START OVER
2.1		ZAL	+1, KFCT
2.2		B	KCFILE
2.3			
2.4			
2.5			