



**GENERAL PRECISION, INC. / COMMERCIAL COMPUTER DIVISION**

PURPOSE

To print out one word in hexadecimal.

INPUT

Word to be printed in accumulator. Calling sequence described below.

OUTPUT

Word printed in hexadecimal. Format described below.

LINKAGE AND CALLING SEQUENCE

-1 B (Loc. word)  
R (Lo + 0023)  
+1 U (Lo + 0006)  
+2 etc.

-1 need not be a "bring" order. It may be any instruction that leaves the word in the accumulator.

FORMAT: A space is printed before the word. Then the eight hexadecimal digits are printed, including leading zeros. After the word a conditional stop code is printed. (The stop code print order is at Lo + 0021 and is written in hexadecimal form on the tape. It might be desirable to change it to a tab or carriage return for some applications.)

TIME: One second per word.

STORAGES: 29 sectors, plus temporary storages on track 63, sectors 58, 60, 61, 63. The word itself is left in location 6360 when the subroutine finishes printing. The subroutine must be stored beginning at sector 00, 07, 14, or 21.

Programmer: J. Kopp, Brookhaven National Laboratory.

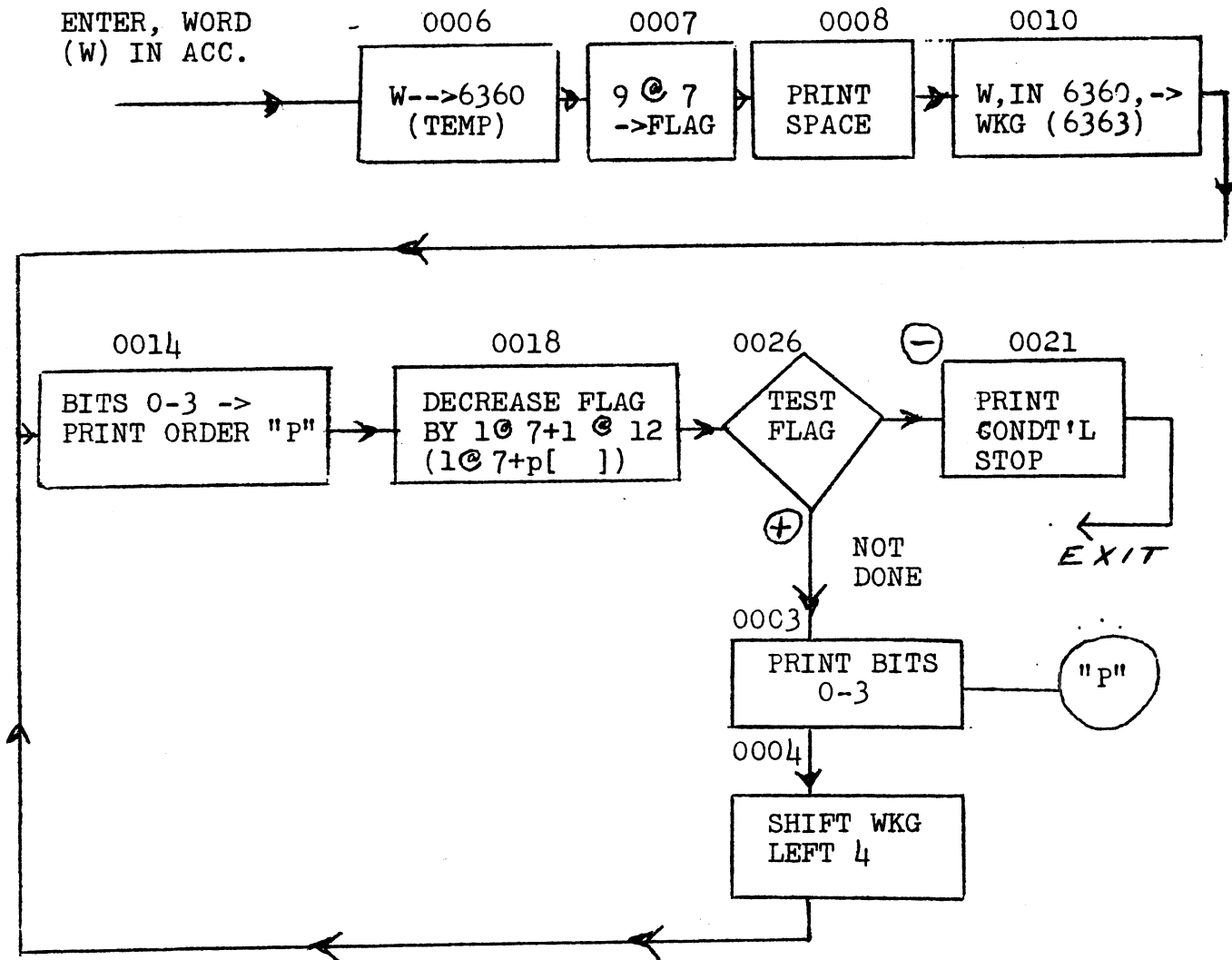
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LGP-30 USER'S ORGANIZATION - POOL

ONE-WORD HEX PRINT FLOW CHART

By.....J. Kopp

Program No. J3-83



LGP-30 CODING SHEET

PREPARED FOR: LGP-30 USER'S ORGANIZATION - POOL				PAGE 1 OF 1
JOB NO.	PROGRAM NO.	PROGRAM PREPARED BY: J. Kopp, BNL	PROGRAM CHECKED BY:	DATE
PROBLEM: 1 WORD HEX PRINT				TRACK 00

PROGRAM INPUT CODES	STOP	LOCATION	INSTRUCTION		STOP	CONTENTS OF ADDRESS	NOTES
			OPERATION	ADDRESS			
	/						
	/						
, 0 0 0 0 0 0 4	/	0 0 0 10		2 0 0 0	/	1 @ 18	0014
		0 11		3 j 0 0	/	1 18-4	0015
		0 12		2 k 4	/	xz0253, wait, 0016(opt. Lo+000	
		0 13	1 0 8	0 0 0 0	/	<input checked="" type="checkbox"/> P[ ] +1 @ 7	0024
		0 14	n	0 0 1 2	/		
		0 15	u	0 0 1 3	/		
		0 16	x h	6 3 6 0	/	temp	enter
		0 17	b	0 0 2 2	/	<input checked="" type="checkbox"/> flag	
		0 18	x p	0 3 5 8	/	space	opt.
		0 19	x h	6 3 6 1	/	flag, wkg	
		1 0	x b	6 3 6 0	/	temp	opt.
		1 1	u	0 0 1 3	/	<input checked="" type="checkbox"/>	
		1 12	x z	0 0 0 4	/	1 @ 27	0004
		1 13	x h	6 3 6 3	/	word, wkg	opt.
		1 14	m	0 0 0 0	/	1 @ 18	
		1 15	e	0 0 0 1	/	<input checked="" type="checkbox"/> 18-21	
		1 16	a	0 0 0 2	/	z0253	
		1 17	y	0 0 0 3	/	point	
		1 18	x b	6 3 6 1	/	flag, wkg	opt.
		1 19	u	0 0 2 4	/	<input checked="" type="checkbox"/>	
, 0 0 0 0 0 0 4	/	2 0		1 8	/	xz0006	wait
		2 1		8 2 0 1 j	/	xp3207	(cond stop)
		2 2	9 0 0 0 0 0 0	0 0 0 0	/	9 @ 7+	wait 0007
		2 3	f	0 0 0 0	/	<input checked="" type="checkbox"/> U[ ]	"R" here
		2 4	s	0 0 0 3	/	1 @ 7(+ 1 @ 14)	
		2 5	x h	6 3 6 1	/	rflag, wkg	opt.
		2 6	t	0 0 2 0	/	done	
		2 7	x b	6 3 6 3	/	<input checked="" type="checkbox"/> word, wkg	opt.
		2 8	u	0 0 0 2	/		
. 0 0 0 0 0 0 0	/	2 9			/		
		3 0			/		
		3 1			/	<input checked="" type="checkbox"/>	