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Installation: Lederle Laboratories, Pearl River, New York

Classification: J

ABSTRACT:

This routine prints a number between 0 and 999 without a decimal point..

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Program No, J4-172

Title: Integer Printout
Author: Richard A. Lamm
Date: August 23, 1959
Installation: Lederle Laboratories, Pearl River, N.Y.
Classification: J

Function: Print a number between 0 and 999 without a decimal point. If the number is greater than 999 a Tab is executed.

Input: Natural number in the accumulator at a q of 29.

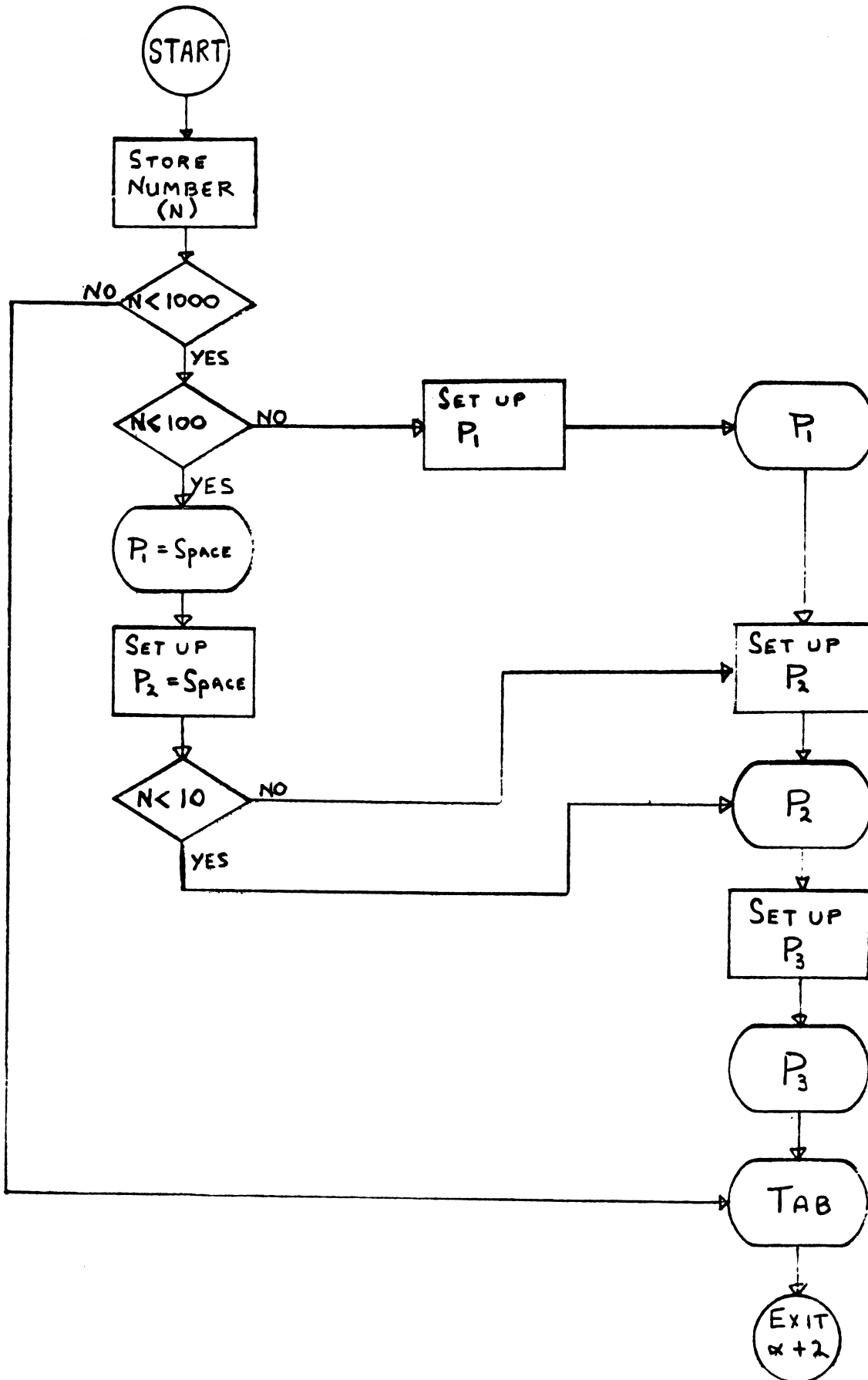
Output: Number printed, followed by a Tab. If the number is less than three digits, spaces are executed for the leading zeros. The number zero is printed as 0.

Call. Seq.:

<u>Location</u>	<u>Order</u>	<u>Address</u>
α	R	Lo + 56
$\alpha + 1$	U	Lo
$\alpha + 2$	etc.	

Storage: 59 locations of instructions, constants and temporary storage.

FLOW CHART



LGP-30 CODING SHEET

PREPARED FOR: LGP-30/RPC-4000 Users' Organization - POOL				PAGE OF 1/2
JL-172	PROGRAM NO. LEVER	PROGRAM PREPARED BY: R.A. LAMM	PROGRAM CHECKED BY: POOL Review	DATE REVISION Aug 27, 1959
PROBLEM: INTEGER PRINTOUT				TRACK

PROGRAM INPUT CODES	STOP	LOCATION	INSTRUCTION		STOP	CONTENTS OF ADDRESS	NOTES
			OPERATION	ADDRESS			
							CALL SEQ R0056 U0200
		<input checked="" type="checkbox"/>					
		0,0,0,0	H	0,0,5,0		S ₁ @ 29	S ₁ = (XXXX) ₁₀
		0,0,1	S	0,0,5,1		1000 @ 29	
		0,0,2	T	0,0,0,4			
		0,0,3	U	0,0,5,4	<input checked="" type="checkbox"/>		
		0,0,4	B	0,0,5,0		S ₁	S ₁ = (XXX) ₁₀
		0,0,5	S	0,0,5,5		100 @ 29	
		0,0,6	T	0,0,4,2			
		0,0,7	B	0,0,5,0	<input checked="" type="checkbox"/>		
		0,0,8	D	0,0,5,2		100 @ 10	
		0,0,9	E	0,0,4,1		W000	
		1,0,0	H	0,0,4,0		S ₂ @ 19	
		1,0,1	M	0,0,5,8	<input checked="" type="checkbox"/>	4 @ 4	
		1,0,2	A	0,0,5,7		xP0222	
		1,0,3	C	0,0,1,8			
		1,0,4	S	0,0,4,0		S ₂	
		1,0,5	M	0,0,5,2	<input checked="" type="checkbox"/>	100 @ 10	
		1,0,6	A	0,0,5,0			
		1,0,7	C	0,0,5,0		S ₁	S ₁ = (XX) ₁₀
		1,0,8	P	[]			
		1,0,9	B	0,0,5,0	<input checked="" type="checkbox"/>	S ₁	
		2,0,0	D	0,0,3,9		10 @ 10	
		2,0,1	E	0,0,4,1		W000	
		2,0,2	H	0,0,4,0		S ₂	
		2,0,3	M	0,0,5,8	<input checked="" type="checkbox"/>	4 @ 4	
		2,0,4	A	0,0,5,7		xP0222	
		2,0,5	C	0,0,3,0			
		2,0,6	S	0,0,4,0			
		2,0,7	M	0,0,3,9	<input checked="" type="checkbox"/>	10 @ 10	
		2,0,8	A	0,0,5,0			
		2,0,9	C	0,0,5,0			S ₁ = (X) ₁₀
		3,0,0	P	[]			
		3,0,1	B	0,0,5,0	<input checked="" type="checkbox"/>	S ₁	

LGP-30 CODING SHEET

PREPARED FOR: LGP-30/RPC-4000 Users' Organization - POOL				PAGE OF 2 / 2
JOB NO.	PROGRAM NO. J4-172	PROGRAM PREPARED BY: R.A.L.	PROGRAM CHECKED BY: POOL Review	DATE
PROBLEM: INTEGER PRINTOUT				TRACK

PROGRAM INPUT CODES	STOP	LOCATION	INSTRUCTION		STOP	CONTENTS OF ADDRESS	NOTES
			OPERATION	ADDRESS			
		0032	D	0038		1 @ 10	
		33	M	0058		4 @ 4	
		34	A	0057		xP0222	
		35	C	0036	⊗		
		36	P	[]			
		37	U	0053			
2,000,000,4	'	38	2	0000		1 @ 10	
		39	1	400000	⊗	10 @ 10	
		40	[]			S ₂ @ 19	
		41	W	000		MASK	
		42	xP	0328			
		43	B	0042	⊗		
		44	Y	0030			
		45	B	0050		S ₁	
		46	S	0053		10 @ 29	
		47	xZ	0000	⊗	DELAY	
		48	T	0030			
		49	U	0019			
		50	[]			S ₁ @ 29	
		51	xZ	1540	⊗	1000 @ 29	
2,000,000,1	'	52	J	800000		100 @ 10	
		53	xZ	0010		10 @ 29 → DELAY	
		54	xP	2440			
		55	xZ	0136	⊗	100 @ 29 →	
		56	U	[α + 2]		EXIT	
		57	xP	0222			
2,000,000,1	'	58	2	00000000		4 @ 4	
.000,000,0	'	59			⊗		
		60					
		61					
		62					
		63			⊗		

