

UNIVERSITY OF ILLINOIS
DIGITAL COMPUTER

LIBRARY ROUTINE P 11 - 148

TITLE Rounded or Unrounded Print
TYPE Closed with one program parameter
NUMBER OF WORDS 18
TEMPORARY STORAGE 1 word at 0
PARAMETERS If the routine is called into use by

p		50 nF
		50 pF
<hr/>		
p + 1		26 ...

it will print A, rounded to n decimals,
with sign. If called in by

p		J0 nF
		50 pF
<hr/>		
p + 1		26

it will print A to n decimals without
round-off and without sign.

DESCRIPTION

This routine is intended primarily for use
in computations where results are given as an
integer part followed by a decimal part.
In such cases no sign is wanted for the
decimal part and round-off may cause an error.

RT/ 9/20/55
DATE <u>September 28, 1954</u>
WRITTEN BY <u>B. E. Swire</u>
APPROVED BY <u>J. Nash</u>

BES/mge
9/20/55

LOCATION	ORDER	NOTES	PAGE 1
0	40 F		
	K5 F		
1	42 6L		
	46 15L		
2	36 7L		
	51 16L		
3	16 F		
	10 39F		
4	15 15L		
	10 13L		
5	46 15L		
	32 12L		
6	92 965F		
	22 ()F		
7	J0 11L		
	7J 16L		
8	42 11L		
	15 F		
9	32 10L		
	92 706F		
10	22 11L		
	92 642F		
11	00 31F		
	19 ()F		used to extract n
12	26 3L		
	75 17L		
13	00 1F		
	82 3F		used to counter unit
14	22 3L		
	00 F		
15	00 ()F		
	82 3F		Counter

LOCATION	ORDER		NOTES
16	00 LF K9 1000F		$\text{Log}_2 10 \times 2^{-20}$
17	50 F 00 F		10×2^{-4}

BES/mge
9/20/55