

DATA OUTPUT NO. 3 SUBROUTINE
(Program 12.2)

FUNCTION:

To print the contents of the accumulator in decimal form as if it were in dollars and cents. This assumes that the number to be printed is an integer.

INPUT:

One word in the accumulator at $q = 30$.

CALLING SEQUENCE:

<u>Loc.</u>	<u>Inst.</u>	<u>Add.</u>
$\alpha - 1$	B	L (N)
α	R	$(Lo + 60)_{10}$
$\alpha + 1$	U	Lo
$\alpha + 2$	etc.	

$\alpha - 1$ need not contain a B order. Any order which leaves the argument in the accumulator is permissible.

OUTPUT:

Nine decimal digits plus sign (if negative) and decimal point (the second digit from the right). Leading zeros preceding the decimal point are suppressed and a space is printed instead. The routine will exit without printing if the contents of the accumulator is zero.

TIME:

About 1.2 seconds.

ACCURACY:

There is no error in the output.

STORAGE:

127 locations of instructions and constants. No temporary storage.

MISCELLANEOUS:

There is no format control printed by this routine. The limits of the routine are $\pm 10 \times 10^8$ dollars. The decimal point may be omitted by changing location $(Lo + 0159)_{10}$ from XP2331 to XP0431.