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DECUS NO.	8-498
TITLE	UNENCODED INCREMENTAL PLOTTER SUBROUTINE
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DATE	November 16, 1971
SOURCE LANGUAGE	PAL III

UNENCODED INCREMENTAL PLOTTER SUBROUTINE

This subroutine moves the pen of an unencoded plotter (BENSON 110) to a new position along the best straightline. The pen can be raised or lowered during the motion.

All operations are controlled by JMS Instructions. the accumulator don't specify the operation as in the Digital 8-12-U Subroutine.

1) Pen down : JMS I ECRIT
 .
 .
 .
 .
 ECRIT, BAISSE

2) Pen up : JMS I RELEVE
 .
 .
 .
 .
 RELEVE, LEVE

3) Plotting :

It's necessary to put the values of X and Y in two locations on page zéro.

3.1 - Initialization of plotter : JMS I ZERO
 .
 .
 .
 ZERO , INITIA

3.2 - Plotting

```

CLA
TAD...
DCA IKECE
TAD...
DCA IGreg
JMS I ECRIT (or RELEVE)
JMS I TRACE
TRACE, PLOTTER
ECRIT,BAISSE
RELEVE,LEVE
  
```

} put X and Y coordinates in the plotting locations

* 1

IKECE, \emptyset \longrightarrow (X coordinate)
 IGreg, \emptyset \longrightarrow (Y coordinate)

The X and Y coordinates are specified in numbers of steps - the starting address is $2\emptyset \emptyset$

