Line Collector

I) Line buffer is a sequence of words:

The 1st word is a pseudo character count (see below)

The subsequent words contain systext

(The systext can be either blank compressed or not, but see below)

II) Calling sequence:

IP1   D: type of action

IP2 BD: line buffer

$$\left[OP1 \quad BD: \text{ line buffer } \text{ if } IP1 = 1 \text{ or } 4 \right]$$

III) Errors generated:

If IP1 is negative or too large, a 2,0 or 2,1 error is generated

IV) Actions:

a) IP1 = 0

No op

b) IP1 = 1

Input a line. IP2 is ignored. A line is read from teletype.

The line is then returned to the user via block data return

authorization in a line buffer. ~~I believe~~ the blanks are not compressed.

c) IP1 = 2

   Output a line. The line buffer passed in IP2 is output to

   a teletype up to a CR or when pseudo character count is ex-

   hausted. If the line contains compressed blanks, the pair,

   escape character, blank count is treated as 2 pseudo characters.

d) IP1 = 3

   Output a character. The 1st word of IP2 is assumed to *i.e. SYSTEXT*

   contain a single right adjusted ASCII (rotated) character.

   That character is sent to a teletype.

e) IP1 = 4

   Edit a line. The line passed in IP2 becomes the old line.

   (Sorry, no blank compression allowed.) A line is then read

   from the teletype and returned to the user as in IP1 = 1.

V) This line collector is used by Bead ver. 4.1, (and later versions)

    for all its teletype I/0 and for user teletype calls made on the Bead.

VI) The line collector call operation will be LINEASC,OPERATE in the Bead
    directory

VII) This line collector uses code copied from GREYCODE,XTEXT the same

     as the old Bead.