INCBYT	CERN Program Library	M423

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Increment a Byte of a Packed Vector

INCBYT allows incrementing a specified byte of a packed byte vector (cf. PACBYT (M422)).

Structure:

FUNCTION subprogram
User Entry Names: INCBYT

Usage:

```
LOST = INCBYT(INC,MX,JX,MPACK)
```

The 3-word vector MPACK specifies the packing parameters (much like for PACBYT (M422), but NBITS = 0 is not allowed):

MPACK(1) $\equiv$ NBITS, number of bits per byte.

MPACK(2) $\equiv$ INWORD, number of bytes per word.

MPACK(3) $\equiv$ MAXCAP, the maximum capacity of any byte, $\leq$ 2**NBITS-1.

INCBYT adds the increment INC into the JX'th byte of the packed byte-vector MX and returns any byte overflow, i.e. the part of INC which cannot be added into the byte, because it now contains MPACK(3).

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