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Submitter :
Language : Fortran or Assembler

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Unpack Full Words into Bytes

BLOW converts a source array containing a record consisting of a continuous string of NBYTES bytes of NBITS bits per byte into a target array of NBYTES full words, right-adjusted with zero-fill. BLOW is the inverse of BUNCH (M436).

Structure:

SUBROUTINE subprogram
User Entry Names: BLOW
External References: UPKCH (M427)

Usage:

```
CALL BLOW(SOURCE,TARGET,NBYTES,NBITS)
```

SOURCE	Source array containing the string of NBYTES bytes.
TARGET	Target array, which must be at least NBYTES full words long.
NBYTES	Number of bytes in the source record ($0 <$ NBYTES).
NBITS	Number of bits per byte ($0 <$ NBITS $\leq$ nbpw, where nbpw $= 60$ on CDC and $= 32$ on IBM).

Restrictions:

The two arrays SOURCE and TARGET must not overlap in any way.

Error handling:

BLOW ignores calls with erroneous parameter values.

Examples:

CDC:

```
CALL BLOW(SOURCE,TARGET,200,18)
```

The array SOURCE contains a record of 200 18-bit bytes, stored contiguously in 60 60-bit words, i.e., a string of 3600 bits. After the completion of the call to BLOW, the array TARGET will contain 200 60-bit words, each containing one 18-bit byte, right-justified with zero-fill.

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