Identification

The EPL run-time routine, andstr_andstr_$andstr_
andstr$_orstr_

Ruth A. Weiss

Purpose

Andstr_ implements the PL/I and and or bit string operations

Usage

The calls are:

\[
\text{call andstr$_$andstr_}(x,y,z) \\
\text{\quad z=x \& y} \\
\text{call andstr$_$orstr_}(x,y,z) \\
\text{\quad z=x \mid y}
\]

where x, y, and z are bit strings, varying or non-varying.
If x and y are of different lengths, the shorter is extended on the right with zeros to the length of the longer.

Errors

If any argument is not a string, will stop on oct 0.

Implementation

First the longer string is moved into z by a call to movstr$_$movb_ (See BN.7.10 for movstr_). Then a dummy specifier is set up for z with the length of the longer string (x or y) for andstr_ and the length of the shorter string for orstr_. The shorter string is 'and' into z by a call to movstr$_$and_ or 'or' into z by a called to movstr$_$or_.