

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:

```
call andstr_$andstr_(x,y,z)
```

```
z=x & y
```

```
call andstr_$orstr_(x,y,z)
```

```
z=x | 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\_.