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Identification

Debugging Aids
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(Note that the following are Abstracts, which should be replaced by a full description at a later time.)

DISPLAY_ARRAY

Function of Entry:

Display the information contained in an array node.

This entry of use only to the PL/I compiler.

Calling Sequence for Entry:

```
call display_array (p);
```

Declaration of Arguments:

```
dc1 p ptr; /* points at node to be displayed */
```

Description of Arguments:

none

DISPLAY_AT

Function of Entry:

Display the information contained in a temporary attribute block. This entry of use only to the PL/I compiler.

Calling Sequence for Entry:

```
call display_at (p);
```

Declarations of Arguments:

```
dcl p ptr; /* points at node to be displayed */
```

Description of Arguments:

none

DISPLAY_ATTRIBUTE

Function of Entry:

Displays the information contained in a data_attribute node. This segment of use only to the PL/I compiler.

Calling Sequence for Entry:

```
call display_attribute (p);
```

Declaration of Arguments:

```
dcl p ptr; /* points at node to be displayed */
```

Description of Arguments:

none

DISPLAY_DESC

Function of Entry:

Prints the information contained in a data descriptor node. This segment of use only to the PL/I compiler.

Calling Sequence for Entry:

```
call display_desc (p);
```

Declaration of Arguments:

```
dc1 p ptr; /* points at node to be displayed */
```

Description of Arguments:

none

DISPLAY_EXP

Function of Entry:

Displays the information contained in an expression tree. This entry of use only to the PL/I compiler.

Calling Sequence for Entry:

```
call display_exp (p);
```

Declaration of Arguments:

```
dcl p ptr; /* points at tree to be displayed */
```

Description of Arguments:

none

DISPLAY_SYMB

Function of Entry:

Displays the information contained in a symbol_table node. This entry of use only to the PL/I compiler.

Calling Sequence for Entry:

```
call display_symb (p);
```

Declaration of Arguments:

```
decl p ptr; /* points at node to be displayed */
```

Description of Arguments:

none

PRT

Function of Entry:

Perform conversions and message printing for debugging modules of the PL/I compiler.

Calling Sequence for Entry:

```
call prt$rel (mess, p)
call prt$bin_dec (mess, num)
call prt$bin_oct (mess, num)
call prt$bit_oct (mess, b)
call prt$statement (k)
call prt$token (mess, p)
```

Declaration of Arguments:

```
dcl mess    char(*),
      p      ptr,
      num    fixed,
      b      bit(*), /* length <=36 */
      k      fixed;
```

Description of Arguments:

prt\$rel prints mess || bin_oct (rel(p))

prt\$bin_dec prints mess || bin_dec (num)

prt\$bin_oct prints mess || bin_oct (bit(fixed(num,36),36))

prt\$bit_oct prints mess || bin_oct (b36) where b36 is b extended on left to length 36 bits.

prt\$statement prints the input statement currently being processed by the PL/I compiler starting at Kth token.

prt\$token prints mess || string where string is the character string stored in the token table entry pointed to by p.