Identification

The EPL built-in Functions hbound and lbound
hbound_, lbound_
D. B. Wagner

Purpose

The built-in functions hbound and lbound get the upper
and lower bound, respectively, of one dimension of an
array. They are described in the PL/I manual, IBM form
C28-6571-3, p. 155. The procedures described here may
be called by the compiled code to evaluate these functions.

Usage

The calls are:

        call lbound_ (array, dimension, i);

        call hbound_ (array, dimension, i);

Array is any kind of array with any number of dimensions.
Dimensions is a dimension number. I is where the result
is to be stored.

The above calls are equivalent to the PL/I statements

        i = lbound (array, dimension);

        i = hbound (array, dimension);

Suitable declarations for i and dimension are:

        dcl (i, dimension) fixed bin (35);