Chandra X-ray Center

AHELP for CIAO 3.4

shift

Context: slangrtl

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Synopsis

Shift the elements of a 1−d array

Syntax

```
Array_Type shift (Array_Type A, Int_Type n)
```

Description

The shift function shifts the elements of an array by a specified amount and returns the result. If n is positive, the ith element of the array will be shifted to the position i−n of the array. Elements for which i−n is less than 0 will be moved to the end of the array.

Example

```
A = [1,2,3,4,5,6,7,8,9];
B = shift (A, 3);          % ==> B = [4,5,6,7,8,9,1,2,3];
C = shift (A, −1);         % ==> C = [9,1,2,3,4,5,6,7,8];
```

NOTES

In many ways rotate would be a better name for this function.

See Also

slangrtl
>   sum, transpose