Part II
Global/Local Library

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Part II describes global/local programming and four library routines that support it.

Global/Local Library Routines

```
CMGL_BROADCAST_SERIAL_ARRAY ( SERIAL_ARRAY, NUM_BYTES )
CMGL_local_to_global ( ARRAY, L_INDEX, G_INDEX )
CMGL_global_to_local ( ARRAY, G_INDEX, L_INDEX, LOCAL )
CMGL_global_to_physical ( LOCAL_ARRAY, G_INDEX, PN, L_INDEX )
```

The first transfers global serial arrays from front-end memory to node memory; the next two provide information on the mapping between global parallel arrays and subarrays; the last provides information on the mapping between a global array and a physical processor.

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