7. This exercise explores the implementation of an all-to-all scatter/gather in Ptolemy II. Specifically, construct a model that generates four arrays with values:

```
{"a1", "a2", "a3", "a4"}
{"b1", "b2", "b3", "b4"}
{"c1", "c2", "c3", "c4"}
{"d1", "d2", "d3", "d4"}
```

and converts them into arrays with values

```
{"a1", "b1", "c1", "d1"}
{"a2", "b2", "c2", "d2"}
{"a3", "b3", "c3", "d3"}
{"a4", "b4", "c4", "d4"}
```

Experiment with the use of ArrayToElements and ElementsToArray, as well as ArrayToSequence and SequenceToArray (for the latter, you will also likely need Commutator and Distributor). Comment about the relative merits of your approaches. **Hint:** You may have to explicitly set the channel widths of the connections to 1. Double click on the wires and set the value. You may also experiment with MultiInstanceComposite.