shared channels:

```
chan invoke[1:n](int caller, opid; byte values[*]);
chan reply[1:n](byte results[*]);
```

call statement in process `C` to operation serviced by process `S`:

```
send invoke[S](C, opid, value arguments);
receive reply[C](result variables);
```

input statement in process `S`:

```
queue pending;  # pending invocations
examine queue of pending invocations;
if (some invocation is acceptable)
  remove oldest acceptable invocation from pending;
else   # get another invocation and check it
  while (true) {
    receive invoke[S](caller, opid, values);
    if (this invocation is acceptable)
      break;
    else
      insert (caller, opid, values) in pending;
  }
execute the appropriate guarded operation;
send reply[caller](result values);
```

**Figure 10.10** Rendezvous using asynchronous message passing.