shared channels:

```java
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 $S$:

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

input statement in process $S$:

```java
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.

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