

| IN | | | STATE | OUT | | | NXT | |
|-------|----------|---------|-------|-------|-----------|----------|-----|----------------------|
| valid | sink_rdy | src_rdy | | valid | sink_give | src_take | | |
| 0 | - | - | U | 0 | 0 | 0 | U | HOLD (sink !ready) |
| | | | L | | | | L | |
| 1 | 0 | 0 | U | 1 | 0 | 0 | U | |
| | | | L | | | | L | |
| | 0 | 1 | U | | 0 | 0 | U | |
| | 0 | 1 | L | | 0 | 0 | L | |
| 1 | 1 | 0 | U | 1 | 0 | 1 | U | HOLD (source !ready) |
| | 1 | 0 | L | | 1 | 0 | U | ADVANCE |
| | 1 | 1 | U | | 1 | 1 | L | |
| | 1 | 1 | L | | 1 | 0 | U | |