```
Process order: 1
                          TransferInput#0
                          Before: parity = {}
                                <entry>
                                    EACH TO EACH
                     Process order: 2
                     TransferInput#1
                     Before: parity = {}
                     a [VariableDeclaration]
                     4 [IntegerLiteral] > even
                     a = 4 [Assignment] > even
                     b [VariableDeclaration]
                     a [LocalVariable] > even
                     0 [IntegerLiteral] > even
                     (a == 0) [EqualTo]
                     AnalysisResult#1
                     After: parity = \{a = even\}
                                    EACH_TO_EACH
                    Process order: 3
                    TransferInput#10
                    Before: parity = \{a = even\}
                             THEN TO BOTH '
                                                \ELSE TO BOTH
Process order: 4
                                       Process order: 5
TransferInput#12
                                       TransferInput#13
Before: parity = \{a = even\}
                                       Before: parity = \{a = even\}
                                       b [LocalVariable]
b [LocalVariable]
4 [IntegerLiteral]
                                       6 [IntegerLiteral]
b = 4 [Assignment]
                                       b = 6 [Assignment]
AnalysisResult#3
                                       AnalysisResult#5
After: parity = \{a=\text{even}, b=\text{even}\}
                                       After: parity = \{a=even, b=even\}
                           EACH TO EACH /EACH_TO_EACH
                   Process order: 6
                   TransferInput#23
                   Before: parity = {a=even, b=even}
                   b [LocalVariable]
                   return b [ Return ]
                   AnalysisResult#7
                   After: parity = \{a=\text{even}, b=\text{even}\}
                                    EACH TO EACH
                   Process order: 7
                   TransferInput#27
                   Before: parity = \{a=\text{even}, b=\text{even}\}
                                 <exit>
```