Worksheet 12: Data Driven Futures

For the example below, will reordering the five async statements change the meaning of the program (assuming that the semantics of the reader/writer methods depends only on their parameters)? If so, show two orderings that exhibit different behaviors. If not, explain why not.

1. `DataDrivenFuture left = new DataDrivenFuture();`
2. `DataDrivenFuture right = new DataDrivenFuture();`
3. `finish {`
4. `async await(left) leftReader(left); // Task3`
5. `async await(right) rightReader(right); // Task5`
6. `async await(left,right)`
7. `bothReader(left,right); // Task4`
8. `async left.put(leftWriter()); // Task1`
9. `async right.put(rightWriter()); // Task2`
10. `)`