Without out-of-order execution

... (1, 'A') T
... (3, 'Z') (2, 'Y') (1, 'X') F

... (5, F) (4, F) (3, F) (2, T) (1, T)

Blocked on reading from the T input.
With out-of-order execution

... T
... (3, 'Z') (2, 'Y') (1, 'X') F
Select
... (5, F) (4, F) (3, F) (2, T)

... T
... (3, 'X') (1, 'A')
... (3, 'Z') (2, 'Y') F
Select
... (5, F) (4, F) (2, T)

Figure 25. This factorial program deadlocks without out-of-order execution, as provided for example by the tagged token model.

From: DATAFLOW PROCESS NETWORKS, Edward A. Lee and Thomas M. Parks
http://ptolemy.eecs.berkeley.edu/publications/papers/95/processNets/
Figure 25. This factorial program deadlocks without out-of-order execution, as provided for example by the tagged token model.
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