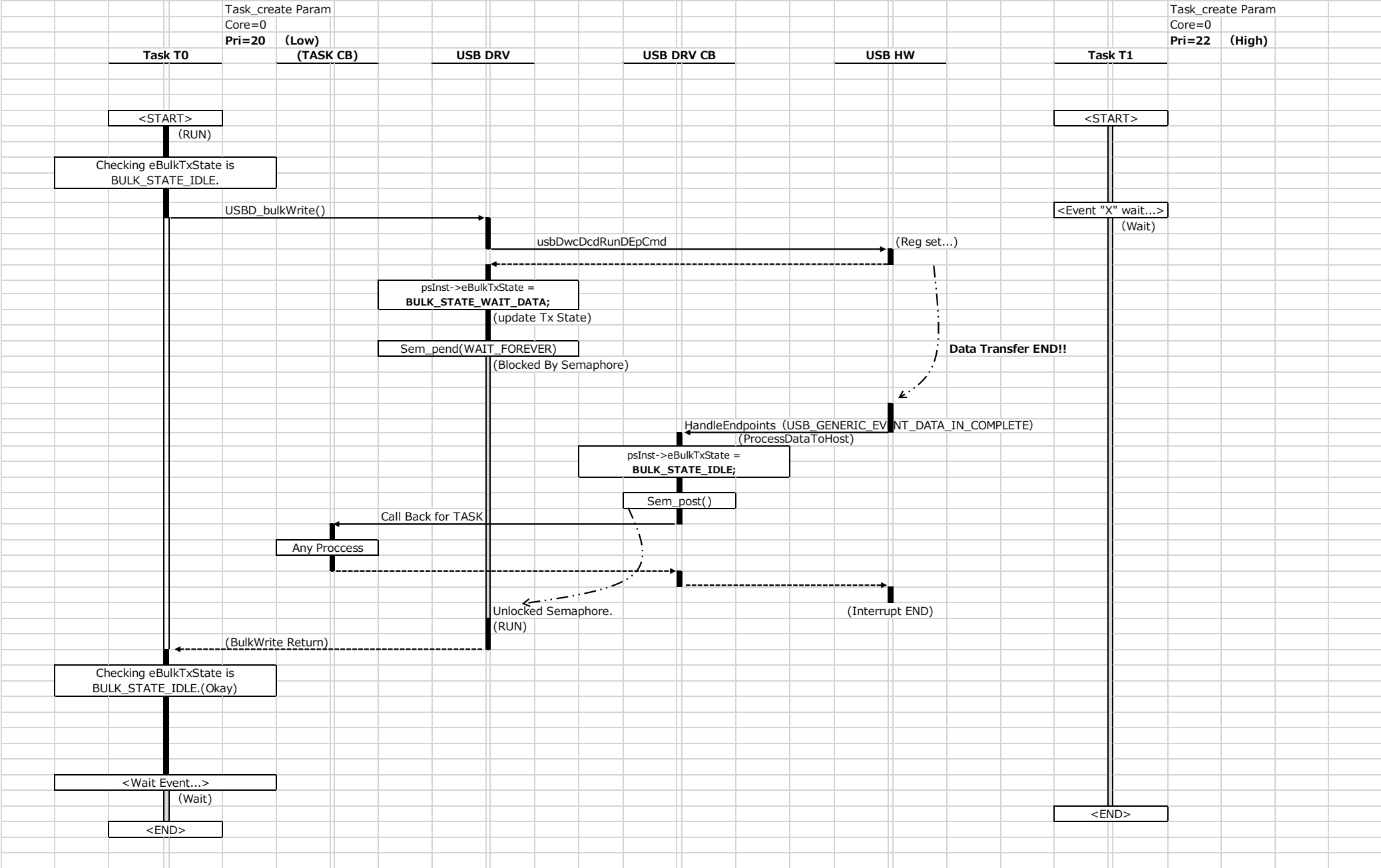
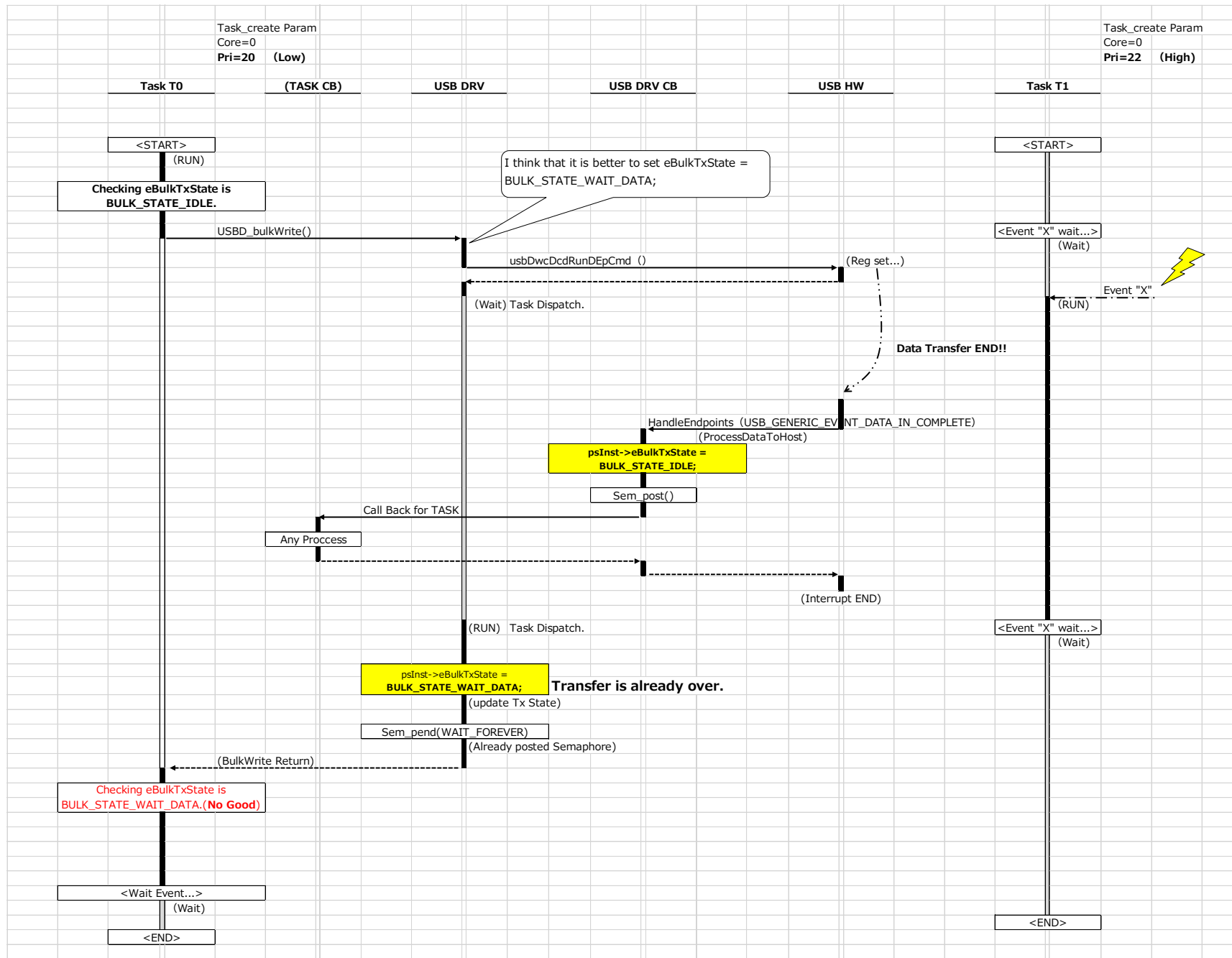


■ Sequence want to check(This sequence is the basis.)



■ Problem Sequence



1. Call usbSetupEpReq from BulkWrite (BulkRead), USB HW starts to move.
2. Tasks with higher priority than Task 0 will start.
3. Data transfer ends with USB HW and call back to USB DRV. For the USB driver, set BULK_STATE_IDLE to eBulkTxState. SemPost. Execute call back to Task T 0 side.
4. Processing of Task T1 is finished, waiting for Event "X".
5. Dispatch to Task T0 and set BULK_STATE_WAIT_DATA to eBulkTxState in the USB driver. USB driver SemPend but because it has already been posted it comes off. (This is not a problem)
6. Since processing comes back from BulkWrite (BulkRead) When eBulkTxState (eBulkRxState) is checked, BULK_STATE_WAIT_DATA is set.(This is a problem)

<Supplement>

- The point is that the task with higher priority than the task to access the driver is running.
 - I confirmed it with USB port # 1 (USB 2.0), but I think that it will also occur with Port # 0 (USB 3.0).
 - Although the sequence was expressed as Write, I think that it will also occur in Read.
 - HW : IDK574 x EVM
 - PDK : pdk_am57xx_1_0_11
- (Although I checked the USB driver processing of pdk_am57xx_1_0_13, I think that it will also occur on pdk_am57xx_1_0_13.)