

Revisiting Producer/Consumer (feat. Semaphores)

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Recap of Semaphores

`sem_wait`: decrements semaphore by 1

`sem_post`: Increments semaphore by 1

Binary Semaphores: equivalent to mutex locks



Major Changes:

- Semaphores
- Multiple threads read from the ledger
- Reader/Producer and Worker/Consumer Threads
- `check_balance()` in `bank.cpp` that implements read/write locks

Quick Demo



Reference

<https://pages.cs.wisc.edu/~remzi/OSTEP/threads-sema.pdf>

GL on finals :)