

<https://share/052cfb7f-41c3-b073-4a24-501244e910f0>

does this code have any soundness issues?

but if the queue is not empty according to the cached_tail, then won't any previous writes to the data be stale? The fence in the else branch was to catch that scenario





Summary

The code is sound (it will work correctly), but the acquire fence in the `else` branch is redundant and can be removed. The synchronization is already established by the acquire fence that was executed when `cached_tail` was originally loaded.

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