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PRODUCER/CONSUMER
SYNCHRONIZATION

When producer threads awake, they do not check if there is any data in the buffer...

Need while, not if

What if T<sub>p</sub> puts a value, wakes T<sub>c1</sub> whom consumes the value
Then T<sub>p</sub> has a value to put, but T<sub>c1</sub>'s signal on &cond wakes T<sub>c2</sub>
There is nothing for T<sub>c2</sub> consume, so T<sub>c2</sub> sleeps
T<sub>c1</sub>, T<sub>c2</sub>, and T<sub>p</sub> all sleep forever

T<sub>c1</sub> needs to wake T<sub>p</sub> to T<sub>c2</sub>
```















