8.4

1. Lock a mutex (pthread\_mutex\_lock).

2. Change the condition protected by the mutex.

3. Signal threads waiting on the condition (pthread\_cond\_broadcast).

4. Unlock the mutex (pthread\_mutex\_unlock).

Some threads may executing before mutex unlock.

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Already executing(not awaken by signal) thread can get the mutex between 3 and 4,then it can access the protected condition variable. After that, we signal threads waiting on the condition. However the condition variable could be changed.