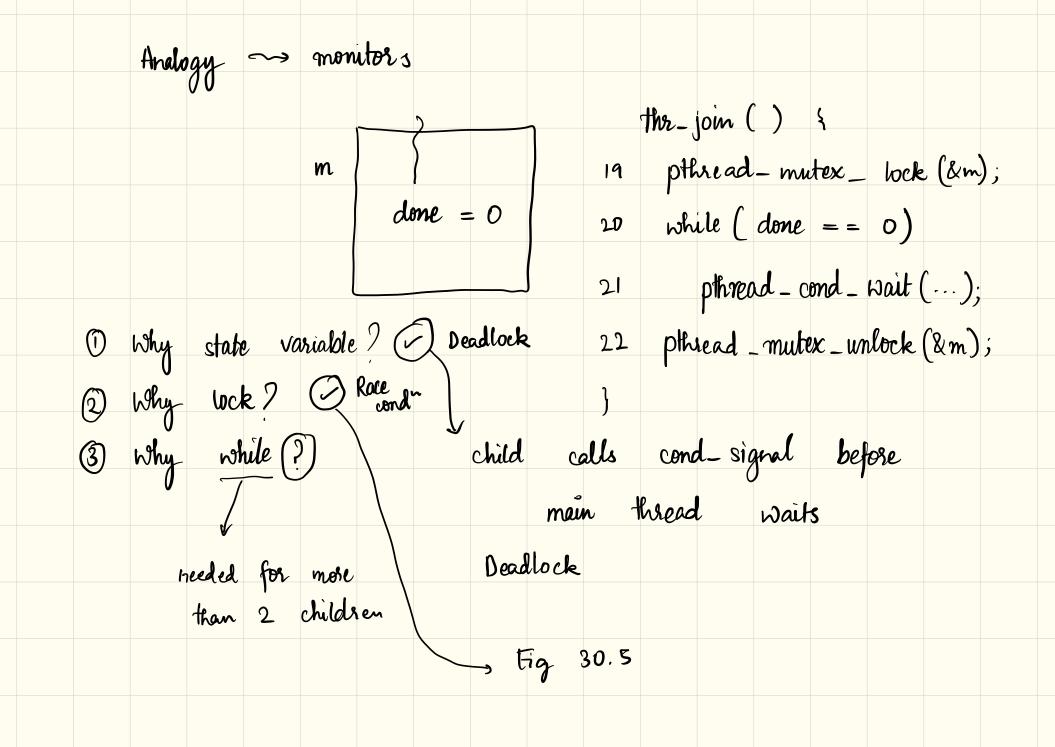
04 Mar 2025 - Operating Systems - 1 Monitors -> locks and condition variables in C++. un some cases, it's Fig 30.2 problem - spin okay Monitors → sleep (which cases, see silberschatz) problem: How to wait for a condition lock 30.3 -> pthread_mutex_t m the -join()
while (done == 0) // as long as not done pthread_cond_wait (&c, & m); release the lock and put the thread to sleep



Tip: Always hold lock while signaling

Producer / Consumer problem using condition variables.

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* assert (count = = 1)

assert (int expression)

if not true, abort

How is it different from crashes?

→ graceful exit.

cond_t = pthreads_cond_t mutex_t = pthreads - mutex_t Fig 30.8 m global count while (count = = 1) producers wake up // p5 -> wakes up waiting consumers and sleep pthread_cond_Signal() >>> wakes up one Problem in If >> 1 producers, 2 consumers

	Debuggin	y tip -	or for	each th	read crea	de a	log file.	
	Yo	u Ore -	he mast	er of i	jour code			
	R	ocumentati	on is	important	<u></u>			
*	signal_	all						