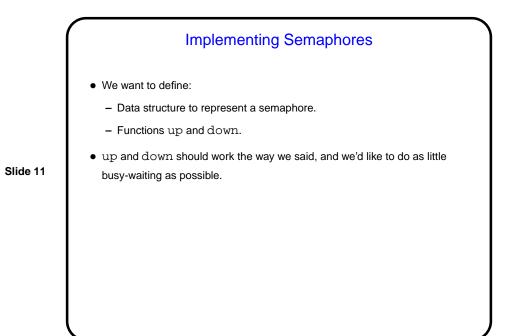
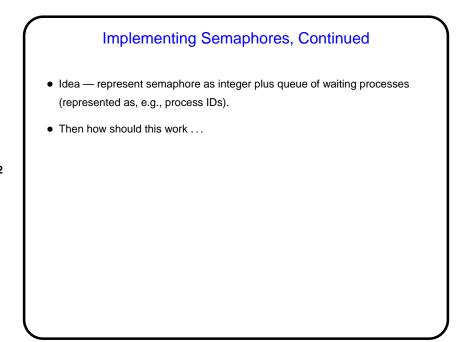
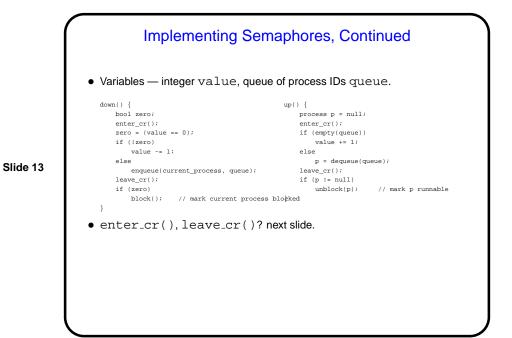
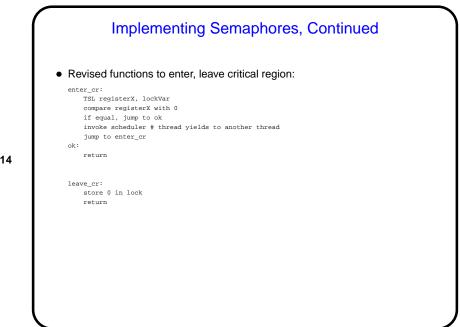


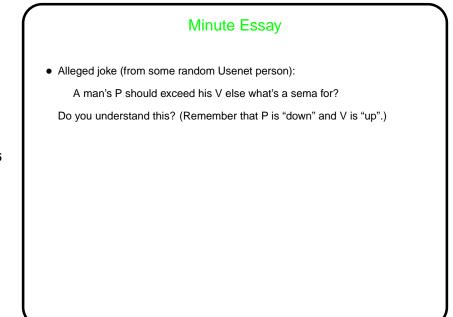
	Bounded Buffer Problem — Solution	
Slide 10	 Shared variables: buffer B(N); // empt semaphore mutex(1); semaphore empty(N); semaphore full(0); 	ty, capacity N
	Pseudocode for producer:	<pre>Pseudocode for consumer: while (true) { down(full); down(mutex); item = get(B); up(mutex); up(empty); use(item); }</pre>











Minute Essay Answer • It's a pun. The idea is roughly that if you never have a situation in which you've attempted more "down" operations than "up" operations, you didn't need a semaphore. (Or that's what I think it means. The author might have another idea!) Slide 16