

	queue			
	next_unit = 3			
	unit_count = 3			
	Producer 0	Producer 1	Consumer 0	Consumer 1
	next_unit < unit_count			
	next_unit := 1			
	delay(0)	next_unit < unit_count		
	enqueue(1)	next_unit := 2		
	signal(can_consume)	delay(0)	wait(can_consume)	
	next_unit < unit_count	enqueue(2)		
	next_unit := 3	signal(can_consume)	my_unit := dequeue(queue)	wait(can_consume)
	delay(0)	break	print	my_unit := dequeue(queue)
	enqueue(3)		delay(0)	print
	signal(can_consume)		wait(can_consume)	delay(0)
	break		my_unit := dequeue(queue)	break
			print	
			delay(0)	
			break	