Step 5: O/P of Mutex:

```
[pjoshi@ada:~/cs510/p2$ blitz -g os
Example Thread-based Programs...
Initializing Thread Scheduler...
Here is the ready list:
  Thread "idle-thread"
                            status=READY
                                            (addr of Thread object: 0x000160A8)
-- You should see 70 lines, each consecutively numbered. --
LockTester-A = 1
LockTester-A = 2
LockTester-B = 3
LockTester-C = 4
LockTester-D = 5
LockTester-A = 6
LockTester-F = 7
LockTester-E = 8
LockTester-G = 9
LockTester-C = 10
LockTester-D = 11
LockTester-B = 12
LockTester-F = 13
LockTester-A = 14
LockTester-G = 15
LockTester-C = 16
LockTester-E = 17
LockTester-D = 18
LockTester-B = 19
LockTester-F = 20
LockTester-A = 21
LockTester-G = 22
LockTester-D = 24
LockTester-E = 25
LockTester-F = 26
LockTester-A = 27
LockTester-G = 28
LockTester-B = 29
LockTester-C = 30
LockTester-D = 31
LockTester-F = 32
LockTester-A = 33
LockTester-G = 34
LockTester-E = 35
LockTester-B = 36
LockTester-C = 37
LockTester-D = 38
LockTester-F = 39
LockTester-G = 40
LockTester-A = 41
LockTester-E = 42
LockTester-C = 43
LockTester-D = 44
LockTester-F = 45
LockTester-B = 46
LockTester-G = 47
LockTester-A = 48
LockTester-C = 49
LockTester-D = 50
LockTester-E = 51
LockTester-F = 52
LockTester-G = 53
```

Step 6: Producer- Consumer

Beginning execution										
======================================										
Initializing Thread Scheduler										
	the ready list:									
	d "idle-thread"	status=READY			(addr	of	Thread	object:	0x000160A8)	
	Producer-A	Α							-	
Α	Producer-B		В							
AB	Consumer-1						- 1	Α		
В	Producer-C			С			•			
BC	Consumer-2						- 1		В	
С	Consumer-3						i		C	;
	Producer-D				D		•			
D	Consumer-1						- 1	D		
	Producer-E					E				
E	Producer-A	Α								
EA	Consumer-3						- 1		E	
Α	Producer-C			С						
AC	Consumer-1						- 1	Α		
С	Consumer-2						i		С	
	Producer-B		В				•			
В	Producer-D				D					
BD	Consumer-3						- 1		В	1
D	Producer-E					E	•			
DE	Consumer-1						- 1	D		
Ε	Consumer-2						i		Е	
	Producer-A	Α					•			
Α	Consumer-3						- 1		Α	
	Producer-C			С						
С	Producer-B		В							
СВ	Consumer-1						- 1	С		
В	Producer-D				D					
BD	Consumer-2						- 1		В	
D	Consumer-3						- i		D)
	Producer-E					Е				
Е	Consumer-1						- 1	Е		
	Producer-A	Α								
Α	Producer-C			С						
AC	Consumer-3						- 1		Α	
С	Producer-D				D					
CD	Consumer-1						- 1	С		
D	Consumer-2						i		D	
	Producer-B		В							
В	Producer-E					E				
BE	Consumer-3						- 1		В	1
E	Producer-A	Α								
EA	Consumer-1						- 1	E		
Α	Consumer-2						i		Α	
	Producer-C			С						
С	Consumer-3								C	;
	Producer-D				D					
D	Consumer-1							D		
	Producer-B		В							
В	Consumer-2								В	
	Producer-E					E				
E	Consumer-3								E	

***** A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! *****

Step 7: Dining Philosopher

```
Here is the ready list:
Thread "idle-thread" status
                                      (addr of Thread object: 0x000160A8)
                        status=READY
Plato
Sartre
       tre
Kant
Nietzsche
Aristotle
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***** A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation! *****

Done! The next instruction to execute will be: 000EC8: 09000000 ret
Number of Disk Reads = 0
Number of Disk Writes = 0
Instructions Executed = 429534