



5 1	
	while (1 valuelet)
	try {
	system out print(n ("In Consumer waitings);
14197	wait ();
	3
	eatch (Interrupted Exception e) {
	System. out. println ("Interrupted Exception
	caught ");
	y and a second
301-	system.out.println ("Got:"+n);
	valuesel = false;
	system out println ("In Intimate Produces in)
	notify (?)
	section n'
	3
781	synchronized void put (int n)
4.8	£ .
	while (valuelet)
	dry f
11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (system out println ("In Produces waitinglis)
	wait ();
2/15/2	3
100	cotch (Interrupted Exception e) {
17.00	System out println ("Interrupted Exception
1/2 A = 1/2	caught ")",
172 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3
	this · n = n',
1200	valuelet = true;
320.	System out println ("Put: "+n);
	system out printen ("In Intimate Consumer
25 H	1, ");
	notify();
	7
1	J. J. C.

	class Produces implements Rumable of
	Qq;
	Producer (Pq)
	mis .9 = 9 '
	new thread (this, "producer"), etart())
	2
	public void sun () h
	int i = 0;
	while (i L 15) h
	9. pet (5++);
	13
	class consumer implements cumarded
	Q a ',
	Consumer (9 q) {
	Dis. 9-2;
	new thread (this, "(onsumer"? start ()",
	<u> </u>
	public void run () {
	int i=0',
	while (i = 15) f
	int r = q, get (1';
	system out print (n ("consumed : "+ r);
	in it
	2
	4
	2
	Clase PC Find C
	public static void main (string args [)!
-	Q q = new g ();
	new Produces (8).



	new consumer (q)
	Eystem out print (" Prese Control . C to pop
	2
12. 1 .	
	Butput:
	Porces Control - c to stop
	Put: 0
	Intimate consumes
	Producer waitings
170	
	Got = 0
17	
	Intimate Producer
	Pert: 4
	Intimate Consumes
	Produces waiting
	consumed; 0
	Got: 1
A ₆₁	
	Intimate Produces
	consumed: 1
	·Put: 2
11)	Deadlock:
	<u> </u>
	woes A &
	synchronized void for (66) f
	- 1
	get Name ();
	system out println (name + "entered A po

	A STATE OF THE PARTY OF THE PAR
	Jany L
	Thread. Eleep (1000);
	3 cotch (treeption E)
	calle (tripped)
Control of the second	System. out. printle ("A Interrupted");
	3
	system out printen (name 1 "trying to call B. Lost ()")
	Lace 8. Lost ()")
	b. Last ();
	roid last () (
	system out printen ("Treide 1 Last");
	7
	3
	clars B &
	synchronized void bar (1 a)
	string name = Thread current Thread ().
	get Name (),
	system out print in (name + " entered B. bai)
	try h
	Thread sleep (1000);
	1 4
•	eatch (Exception e ?)
	System out print (n/ " & Interrupted")
	4
	System out print la (hame i "trying to
	Teall A last ()").
	a daet (?;
	4
10.75	



	void last () f
	gystem. out. println ("Inside 1 last");
	4
	2
	class Deadlock implemente kunnable
	A a = new A();
	Bb= new B();
	Deadlack () {
	Thread . current Thread (), set Name ("Main
17-1-1	Thread");
f Live	Thread & = new thread (this, "Poxing Thread);
	d.start();
	a. poo(b)',
7	System out println ("Back in main thread");
The state of	2
	public void run () f
	p. bar (a);
	System. out. println ("Back in other thread)}
	public static void main (string orgs []) &
	new Leadlock ();
	<u> </u>
	autput:
Salar Tall	facing Thread entered B. War
5.	Main Thread entered 1. 600
Tale Fil	
图图	Racing Thread brying to call a last ()
14 30	Inside A. Last
	Back in otherthoread
MARKET A	MainThread trying weall B. last ()
The state of the s	Ineide A. Last
A	Bock in mainthread
CAN-	a au
15	