

class produces implements Runnable & Q V) Bechicer (Q p) & this g = q > new Thread (this, "Produce"), street (); public roid run () } Hi = O) while (i < 5) { grant (1++); class Consumer implements Runnable & Concumer (a g) { new Thread (this, "consumer"), start (); public soid eur () } while (i<5) { int &= q. get (); System-out printly ("Concumed: "+1); class PCFixed & public static roid mais (String args (7) & Bq=Q q= now Q(1)

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new Produces (g)	is the desired from the state of the second of the
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System out, paintly	("Press control (In thop.");
3	the state of the s
3 Whatelie	and the second s
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Put: 0	and the second s
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Produce waiting	3-9-0, 1,64
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Put: 2	3 (321) 2141
Istimpte Consumer	1) 1,10 de la 1,2 de la 1,
	and allies I have the
Produces waiting	Padues waiting
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Put: 3	Put: 4
Intimate Consumer	Filimate Confuner
9	Got: 4
A A	Intende Produces
And any man of control of the contro	consumed: 4

	Page
Program (10B)	
eadlock	
Case in consequently on the second confidence of the consequence of th	
lass A	
eyncheonized roid for	to (R L)
5	The second secon
String name = The	tead, werest Thread () get Mone ();
System out with	n. (name + "extered A. foo");
try E	Telesod M. foo)
Thread, elep (10	200);
3 catch (Exception	
	intly (" A intersupted ");
3	ach (11 Messapled);
at Costa turbo: 10	(A A B B A 463
b. last (); sist	(name + " taying to call B. last ()";
3	to the state of th
7.10.+(15	Y A A
court as the	("Ireide A. last"):
2	L'aside Mast
<u>}</u>	
1	One two walls
lars B	1 141 1 14 14 14 14 14 14 14 14 14 14 14
A some the sound of the sound	1 10 1
syntheorized roid b	
2	To I was here while sloping
	Thread werent Thread () got Name ():
	Un (name + "contexed B. bas");
try ?	(1000);
Thread . sleep	•
3 catch (Exception	with ("B Interrupted")
>ystem.out.ps	unin (B Intersupted)

classmate

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System. out. paidle (name + "trying to Geall A, last (5);
          a. last ();
     void last () {
        System out paintly ("Inside A. last");
clase Deadlock implements Runnable
       A a = new A(); (leasely goods horself
       Bb = new B(); il (0 partyres) dels
       Deadlock Olymentia ( ) Thing two motors
            Thread, current Thread () set Name ("Main Thread");
            Thread t = new Thread (this, "Raing Thread");
             t. start();
            a. foo (b);
             System, out paintly (Back is man thread ");
      public roid sur ()
            b. bar (a)
            System out, paintly ("Back is other thread");
     public static roid main (String args (I)
    new Deadlock ();
```



and a	output:
-	Mais Thread estered A, foo
	Raing Thread extered B, bar
- Service of the Serv	Maintheeard trying to call B. last ()
	Racing Thread trying to call A. last ()
	Inside Alast
	Back is other thread
	Treide A. last
_	Back is man thread
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